One Hundred and Forty-Seventh
Annual Report of the Trustees

of

THE MASSACHUSETTS GENERAL HOSPITAL

Including the General Hospital in Boston
and the
McLean Hospital in Belmont

For the Year
1960
Officers and Staff
1961

BOSTON : MASSACHUSETTS

FORMS OF LEGACIES

A. *An Unrestricted Legacy*

"I give to The Massachusetts General Hospital, a corporation organized under the laws of Massachusetts and situated in Boston, Massachusetts, ... ($)."

Money given in this way may be used by the Hospital for any purpose within the scope of its powers. Both principal and income may be so used.

B. *A Legacy Restricted as to Principal but Not Restricted as to Income*

"I give to The Massachusetts General Hospital, a corporation organized under the laws of Massachusetts and situated in Boston, Massachusetts, ... ($). The principal of this gift shall be held and may be mingled with other funds of the Hospital for investment. The Hospital may expend the income for any purpose within the scope of its powers. (The following sentence is optional.) This gift is made in memory of ..... and shall be known as the ..... Fund."

Money given in this way establishes a permanent fund.

C. *A Legacy Intended for a Special Purpose*

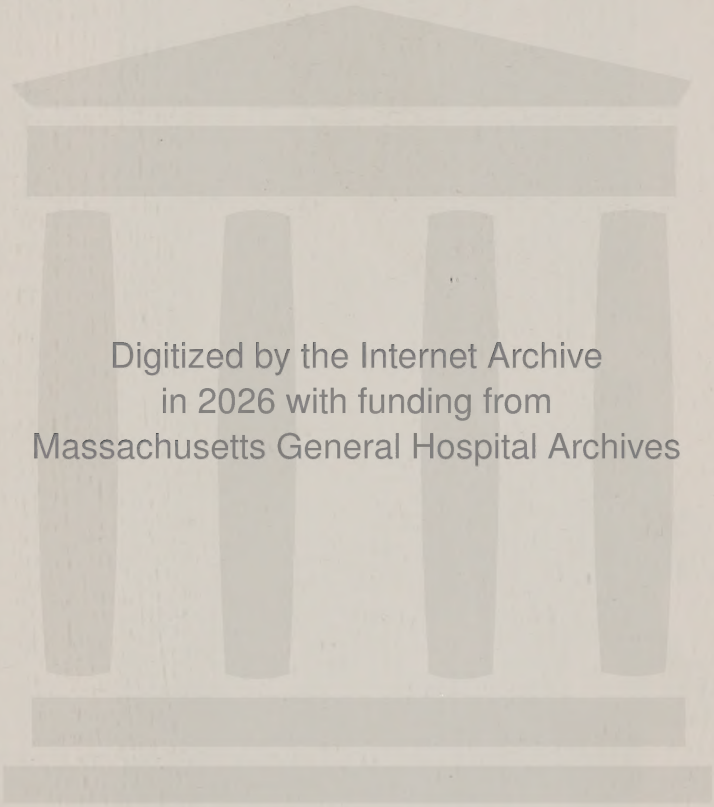
Where either principal or income of a bequest is to be restricted to some special purpose of the Hospital, it is suggested that the testator contact the Treasurer's Office, 45 Milk Street, Boston.

Member of United Community Services of Metropolitan Boston

Member of American Hospital Association

Accredited by the Joint Commission on Accreditation of Hospitals of the United States and Canada

Approved by American Medical Association for Residencies and Internships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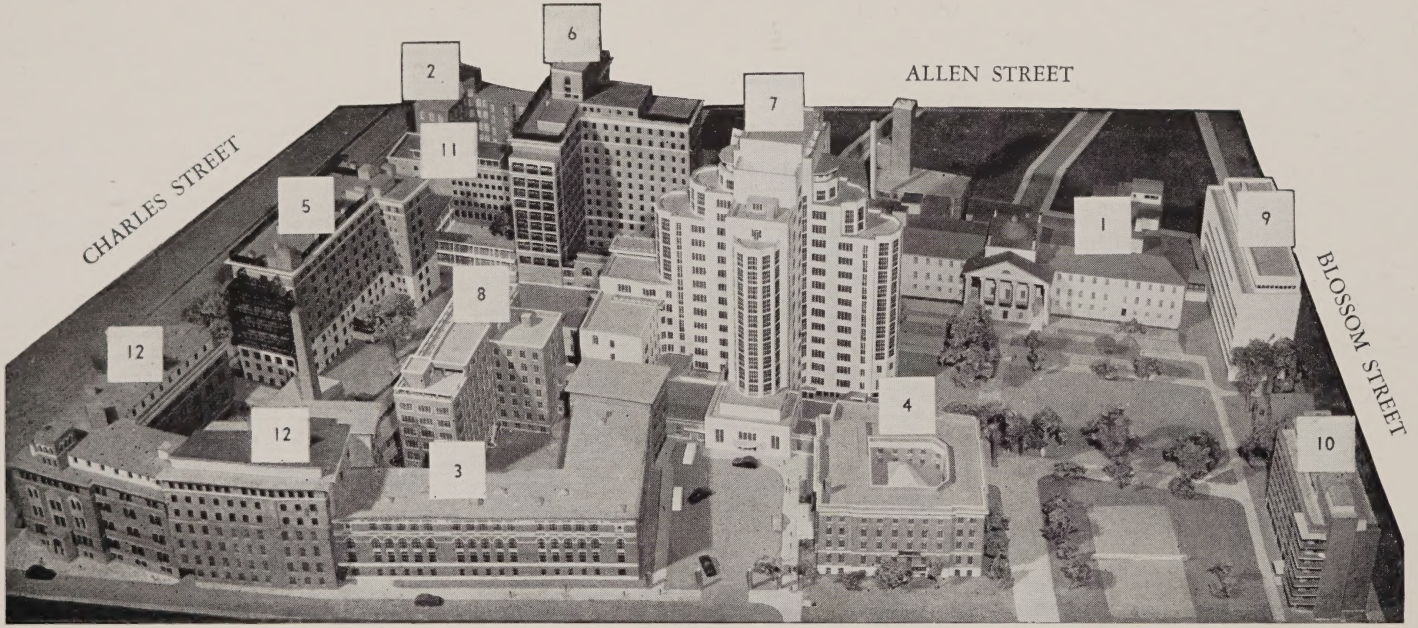

THE MASSACHUSETTS GENERAL HOSPITAL

1. Bulfinch Building (1821); 2. Thayer House Nurses' Residence (1883); 3. The Clinics Building (1903); 4. Moseley Building (1916); 5. Phillips House (1917); 6. Baker Memorial (1930); 7. George Robert White Building (1939); 8. Vincent Memorial Hospital and Burnham Memorial for Children (1947); 9. Research Building (1951); 10. Bartlett Hall Nurses' Residence (1953); 11. Warren Building (1956); 12. *Massachusetts Eye and Ear Infirmary* (1899).

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1961

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BOSTON · MASSACHUSETTS

Information

THE MASSACHUSETTS GENERAL HOSPITAL is a private, incorporated institution supported solely by voluntary contributions and the receipts from those patients who pay board. It consists of three main divisions: The General Hospital for those unable to pay for private medical care, The Baker Memorial with private and semi-private accommodations, and the Phillips House, the private pavilion. All three divisions are for the care of acutely ill persons, or for such chronic cases as can be substantially relieved by hospitalization of short duration. In addition, Storrow House, located in Lincoln, Massachusetts, is for convalescent patients no longer in need of hospital nursing care.

THE GENERAL HOSPITAL

Entrance: Fruit Street, end of North Grove Street. Telephone—LA 3-8200.

Arrangements for the admission of patients to the General Hospital should be made at the Admitting Office in the George Robert White Building (Extension 414).

Emergencies are admitted at any hour; arrangements should be made by telephone. Persons injured by accident or overcome by acute illness may come to the Emergency Ward at the Hospital entrance at any time.

The Clinics of the Massachusetts General Hospital and the Massachusetts Eye and Ear Infirmary, open for admission from 8:15 a.m. to 10:00 a.m. and from 1:00 p.m. to 3:00 p.m., are for patients who can not afford the cost of private medical care. Appointments may be made by mail, telephone, or personal application at the Admitting Desk.

THE BAKER MEMORIAL

Entrance: Same as the General Hospital. Telephone — LA 3-8200.

The Baker Memorial is for patients of moderate means. Arrangements for admission should be made at the Admitting Office in The Baker Memorial (Extension 446).

Patients may be referred by any physician, but may be attended only by members of the Staff of the Massachusetts General Hospital and the Massachusetts Eye and Ear Infirmary.

THE PHILLIPS HOUSE

Entrance: 265 Charles Street. Telephone—LA 3-8200.

Information about admission may be obtained at the Phillips House Admitting Office. Patients may be referred by any physician, but may be attended only by members of the Staff of the Massachusetts General Hospital and the Massachusetts Eye and Ear Infirmary.

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Secretary and Assistant Treasurer

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1947	Francis W. Hatch, 462 Boylston Street
1947	John E. Lawrence, 177 Milk Street
1947	*Francis O. Schmitt, Ph.D., Department of Biology Massachusetts Institute of Technology, Cambridge
1955	Philip H. Theopold, 294 Washington Street
1958	*Sidney R. Rabb, 393 D Street, So. Boston
1961	*Elliot L. Richardson, 1107 Post Office Building

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Messrs. Guild and Theopold

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April and October
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May and November
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June and December
Monsignor Barry and Mr. Richardson

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Messrs. Gray and Theopold

August
Messrs. Lawrence and Rabb

January 1962
Messrs. Gray and Theopold

February 1962
Messrs. Lawrence and Rabb

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*7.1.61

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Marian W. Ropes, M.D.
*Charles L. Short, M.D.
Conger Williams, M.D.
Paul C. Zamecnik, M.D.

Associate Physicians

William H. Baker, M.D.
†Evan Calkins, M.D.
Perry J. Culver, M.D.
Briant L. Decker, M.D.
Allan L. Friedlich, M.D.
Harriet L. Hardy, M.D.
Reed Harwood, M.D.
Rita M. Kelley, M.D.
Alexander Leaf, M.D.
Janet W. McArthur, M.D.
Gordon S. Myers, M.D.
Arthur S. Pier, Jr., M.D.
John B. Stanbury, M.D.
Morton N. Swartz, M.D.
Edwin O. Wheeler, M.D.

Assistant Physicians

Victor G. Balboni, M.D.
William S. Beck, M.D.
Kenneth T. Bird, M.D.
John W. Cass, Jr., M.D.
John H. Fay, M.D.
Richard A. Field, M.D.
Anne P. Forbes, M.D.
Gerald S. Foster, M.D.
William Franklin, M.D.
Joseph W. Gardella, M.D.
Frederick T. Hatch, M.D.
Benjamin L. Huntington, M.D.
Kurt J. Isselbacher, M.D.
John H. Knowles, M.D.
Stephen M. Krane, M.D.
Farahe Maloof, M.D.
Lot B. Page, M.D.
Walter W. Point, M.D.
John T. Quinby, M.D.
Lloyd H. Smith, Jr., M.D.
William D. Sohier, Jr., M.D.
John D. Stoeckle, M.D.
Joseph Stokes, III, M.D.
George P. Sturgis, M.D.
Arthur L. Watkins, M.D.
Richard G. Whiting, M.D.

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*Consulting Visiting Physician, 7.1.61
†Resignation effective 7.31.61

Assistants in Medicine

Irving P. Ackerman, M.D.
Alan C. Aisenberg, M.D.
John C. Angley, M.D.
Francis G. Barnum, Jr., M.D.
Patricia H. Benedict, M.D.
John F. Bertles, M.D.
Leonard W. Cronkhite, Jr., M.D.
James H. Currens, M.D.
Willard Dalrymple, M.D.
John C. Dalton, M.D.
Leslie J. DeGroot, M.D.
Daniel D. Federman, M.D.
Howard S. Frazier, M.D.
Thomas C. Hall, M.D.
John Homans, Jr., M.D.
John W. Irwin, M.D.
H. Walter Jones, Jr., M.D.
Kenneth E. Jones, M.D.
Robert H. Jones, M.D.
Lewis W. Kane, M.D.
John W. Keller, M.D.
John W. Littlefield, M.D.
William F. McNeely, M.D.
Edwin P. Maynard, III, M.D.
Maurice M. Pechet, M.D.
Sholem Postel, M.D.
Walter T. St. Goar, M.D.
Guillermo C. Sanchez, M.D.
John H. Sisson, M.D.
William A. Tisdale, M.D.
Frank A. Warner, M.D.

Associate Physicist

Gordon L. Brownell, PH.D.

Associate Biologists

Nancy L. R. Bucher, M.D.
Jerome Gross, M.D.

Assistant Physicists

Saul Aronow, PH.D.
William H. Ellett, B.SC.
Emery Nyilas, CH.E.

Associate Biophysicist

Jesse F. Scott, M.D.

Associate Biochemists

Lewis L. Engel, PH.D.
John Gergely, M.D.
Roger W. Jeanloz, PH.D.
*Barbara W. Kalckar, PH.D.
Robert B. Loftfield, M.D.
Karl Schmid, PH.D.

Assistant Biochemists

Donald G. Comb, PH.D.
Mary Louise Stephenson, PH.D.

Associate Immunologist

Sidney Leskowitz, PH.D.

Assistant Immunologist

Edna M. Follensby, PH.D.

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1960

DERMATOLOGY

Chief of Service
Thomas B. Fitzpatrick, M.D.

Dermatologist
Maurice M. Tolman, M.D.

Associate Dermatologist
John Adams, Jr., M.D.

Assistant Dermatologists
Paul J. Catinella, M.D.
Earl A. Glicklich, M.D.
Robert D. Griesemer, M.D.
Milton E. Helman, M.D.
William R. Hill, Jr., M.D.
Philip L. McCarthy, M.D.
Robert F. Tilley, M.D.

Assistants in Dermatology
Leroy D. Aaronson, M.D.
William L. Curwen, M.D.
Clito R. Damiani, M.D.
Ruth K. Freinkel, M.D.
Charles S. Keuper, M.D.
Myron H. Matz, M.D.
Samuel L. Moschella, M.D.
Arthur S. Spangler, M.D.

Associate Biochemist
Irvin H. Blank, PH.D.

Associate Biologist
George Szabó, PH.D.

Research Associate
Madhukar A. Pathak, PH.D.

NEUROLOGY

Chief of Service
Raymond D. Adams, M.D.

Neurologists
Mandel E. Cohen, M.D.
Edwin M. Cole, M.D.
C. Miller Fisher, M.D.
Robert S. Schwab, M.D.
Maurice Victor, M.D.

Associate Neurologists
Philip R. Dodge, M.D.
Vincent P. Perlo, M.D.
Edward P. Richardson, M.D.
William H. Timberlake, M.D.

Assistant Neurologists
John A. Abbott, M.D.
Pierre M. Dreyfus, M.D.
Henry deF. Webster, M.D.

Assistants in Neurology

Albert C. England, Jr., M.D.
Robert E. Flynn, M.D.
Hugo W. Moser, M.D.
Richard L. Sidman, M.D.
Ruth E. Stauffer, M.D.
Karel van Syckel Toll, M.D.

Neurophysiologist

John S. Barlow, M.D.

Associate Bacteriologist

Byron H. Waksman, M.D.

PSYCHIATRY

Chief of Service

Erich Lindemann, M.D., PH.D.

Psychiatrists

Gerald Caplan, M.D.
Paul M. Howard, M.D.
John C. Nemiah, M.D.
Gardner C. Quarton, M.D.
Alfred H. Stanton, M.D.
Elizabeth R. Zetzel, M.D.

Associate Psychiatrists

Herbert Barry, Jr., M.D.
Morris E. Chafetz, M.D.
Frank R. Ervin, M.D.
John H. Lamont, M.D.
Peter E. Sifneos, M.D.
Jerome L. Weinberger, M.D.
Avery D. Weisman, M.D.

Assistant Psychiatrists

Clemens E. Benda, M.D.
Norman R. Bernstein, M.D.
Frances J. Bonner, M.D.
Franklin Carter, M.D.
Daniel C. Dawes, M.D.
Benjamin F. Gill, M.D.
Thomas P. Hackett, M.D.
Volta R. Hall, M.D.
Helen M. Herzan, M.D.
Richmond Holder, M.D.
Samuel Kaplan, M.D.
Maria Lorenz, M.D.
Walter Mann, M.D.

Assistants in Psychiatry

Jason A. Aronson, M.D.
Robert L. Bragg, M.D.
Mignon C. Chasen, M.D.
Herbert S. Cline, M.D.
Gerald E. Davidson, M.D.
Abraham L. Finesinger, M.D.
Howard T. Hermann, M.D.
Melvin M. Kayce, M.D.
Herbert O. LeVine, M.D.
Robert J. Lifton, M.D.
Jack H. Mendelson, M.D.
Maxwell G. Potter, M.D.
I. Paley Rak, M.D.
William R. Shelton, M.D.
Jackson M. Thomas, M.D.

Psychologist

John M. von Felsinger, PH.D.

Associate Psychologists

Wesley Allinsmith, PH.D.
Marc A. Fried, PH.D.
Donald C. Klein, PH.D.
Richard R. Peebles, PH.D.
George A. Talland, PH.D.

Assistant Psychologists

Howard T. Blane, PH.D.
Frank M. Buckley, D.ED.
Philip E. Kubzansky, PH.D.
Leonard M. Lansky, PH.D.
Selma Rappaport, PH.D.
Richard A. Sternbach, PH.D.

Assistant Sociologist

Louisa P. Howe, PH.D.

CHILDREN'S SERVICE

Acting Chief of Service

Nathan B. Talbot, M.D.

Pediatricians

Leo B. Burgin, M.D.
John D. Crawford, M.D.
Robert N. Ganz, M.D.
Ralph A. Ross, M.D.

Associate Pediatricians

T. Berry Brazelton, M.D.
William A. Dickson, M.D.
LeRoy L. Eldredge, Jr., M.D.
Lawrence J. Essember, M.D.
Philip R. Dodge, M.D.
Richard B. Kearsley, M.D.
Alexander S. Nadas, M.D.
Thomas C. Peebles, M.D.
Murray E. Pendleton, M.D.
Gertrud C. Reyersbach, M.D.
Robert H. Richie, Jr., M.D.
Robert T. Sceery, M.D.
Mary Louise Scholl, M.D.
Richard H. Watson, M.D.
Louis Weinstein, M.D.
Eleanore C. Zaudy, M.D.

Assistant Pediatricians

James J. A. Cavanaugh, M.D.
George A. Glines, M.D.
Robert J. Haggerty, M.D.
Joseph J. McGovern, M.D.
Edward F. McGrath, M.D.
William Pfeffer, Jr., M.D.
Charles V. Pryles, M.D.
John S. Robey, M.D.
Marion L. Slemons, M.D.
Rudolf Toch, M.D.
Wilhelmina Van Dyke, M.D.
Thomas J. Whitfield, III, M.D.

Assistants in Pediatrics

William J. Adelson, M.D.
Donald J. Annino, M.D.
Nathan H. Fearer, M.D.
Arnold D. Fiascone, M.D.
Thomas Frank, M.D.
Andrew D. Guthrie, Jr., M.D.
Jordan S. Ruboy, M.D.
Lois M. Smedley, M.D.
Michael P. Tristan, M.D.
Alan Ziskind, M.D.

Staff assigned from other Services and Departments

General Surgery:	W. Hardy Hendren, III, M.D. William C. Quinby, Jr., M.D. Bradford Cannon, M.D.
Neurosurgery:	Vernon H. Mark, M.D.
Orthopedic Surgery:	J. Drennan Lowell, M.D. Carter R. Rowe, M.D.
Urologic Surgery:	Guy W. Leadbetter, M.D.
Radiology:	Noel H. Aldridge, M.D.
Psychiatry:	Frank R. Ervin, M.D. Richmond Holder, M.D.
Neurology:	Philip R. Dodge, M.D.
Dental Medicine:	David Weisberger, D.M.D., M.D.

SURGICAL DIVISION

GENERAL SURGERY

Chief of Surgical Services

Edward D. Churchill, M.D.

Visiting Surgeons

Marshall K. Bartlett, M.D.
Bradford Cannon, M.D.
Oliver Cope, M.D.
Gordon A. Donaldson, M.D.
Edward Hamlin, Jr., M.D.
J. Gordon Scannell, M.D.
*Richard H. Sweet, M.D.
Claude E. Welch, M.D.

Associate Visiting Surgeons

F. Thomas Gephart, M.D.
Francis M. Ingersoll, M.D.
William V. McDermott, Jr., M.D.
George L. Nardi, M.D.
John W. Raker, M.D.
Grant V. Rodkey, M.D.
Robert S. Shaw, M.D.
William R. Waddell, M.D.
Frank C. Wheelock, Jr., M.D.
Earle W. Wilkins, Jr., M.D.

Assistant Surgeons

Benjamin A. Barnes, M.D.
Glenn E. Behringer, M.D.
John F. Burke, M.D.
Thomas H. Green, Jr., M.D.
Hermes C. Grillo, M.D.
John M. Head, M.D.
W. Hardy Hendren, III, M.D.
Roy E. Mabrey, M.D.
John B. McKittrick, M.D.
Charles G. Mixter, Jr., M.D.
William C. Quinby, Jr., M.D.
George S. Richardson, M.D.
William P. Rogers, Jr., M.D.

Assistants in Surgery

Edwin L. Carter, M.D.
John D. Constable, M.D.
Richard R. Curtin, M.D.
R. Clement Darling, M.D.
Charles E. Huggins, M.D.

ANESTHESIA

Chief of Service

Henry K. Beecher, M.D.

Associate Anesthetists

Henrik Holt Bendixen, M.D.
John W. D. Garrett, M.D.
Phillips Hallowell, M.D.
Henning Pontoppidan, M.D.
Donald P. Todd, M.D.

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*Consulting Visiting Surgeon 7.1.61

Assistants in Anesthesia

John Q. Durfey, M.D.
Thomas J. Keenan, M.D.
Susanne Lamdin, M.D.
Myron B. Laver, M.D.
Thomas E. Nacnamara, M.D.
Eliot Macy Slater, M.D.
Sarita G. Walzer, M.D.

ENDOSCOPY

Endoscopist
Edward B. Benedict, M.D.

GYNECOLOGY

Chief of Service
Howard Ulfelder, M.D.

Staff shared with General Medical and Surgical Services

NEUROSURGERY

Chief of Service
*James C. White, M.D.

Visiting Neurosurgeon
†William H. Sweet, M.D., D.SC.

Associate Visiting Neurosurgeon
H. Thomas Ballantine, Jr., M.D.

Assistants in Neurosurgery
Hannibal Hamlin, M.D.
Raymond N. Kjellberg, M.D.
Vernon H. Mark, M.D.

Associate Biophysicist in Neurosurgery
Humberto Fernández-Morán V., M.D., PH.D.

Associate Biochemist in Neurosurgery
Adelbert Ames, III, M.D.

Consultant in Biophysics
Eugene Bell, M.SC., PH.D.

Assistant Chemists in Neurosurgery
Albert H. Soloway, PH.D.

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*Board of Consultation 7.1.61
†Chief of Service 7.1.61

Assistant Psychologist
Marianne L. Simmel, PH.D.

Assistant Neurophysiologist
Padmaker P. Lele, M.D., PH.D.

ORTHOPEDIC SURGERY

Chief of Service
Joseph S. Barr, M.D.

Consulting Visiting Orthopedic Surgeon
Edwin F. Cave, M.D.

Visiting Orthopedic Surgeons
Otto E. Aufranc, M.D.
Thornton Brown, M.D.
Paul L. Norton, M.D.

Assistant Orthopedic Surgeons
William N. Jones, M.D.
Robert J. Joplin, M.D.
William R. MacAusland, Jr., M.D.
Eugene E. Record, M.D.
John A. Reidy, M.D.
Carter R. Rowe, M.D.

Assistants in Orthopedic Surgery
Robert B. Brendze, M.D.
Thomas L. DeLorme, M.D.
Melvin J. Glimcher, M.D.
William H. Harris, M.D.
William L. Kermond, M.D.
J. Drennan Lowell, M.D.
Richard A. Mayo, M.D.
Morten Smith-Petersen, M.D.

Podiatrist
John F. Kelly, D.S.C.

Assistant Podiatrists
John D. McLean, D.S.C.
Hugh J. O'Rourke, D.S.C.
Homer J. Squires, D.S.C.

UROLOGY

Chief of Service
Wyland F. Leadbetter, M.D.

Visiting Urologist
Sylvester B. Kelley, M.D.

Associate Visiting Urologist
Howard I. Suby, M.D.

Assistant Urologists
Walter S. Kerr, Jr., M.D.
Lorande M. Woodruff, M.D.

Assistants in Urology

Joshua J. Hurwitz, M.D.
Guy W. Leadbetter, Jr., M.D.
Edward C. Parkhurst, M.D.
Harold A. Rudy, M.D.

DENTISTRY

Oral Surgeon and Chief of Dental Service

David Weisberger, D.M.D., M.D.

Assistant Oral Surgeons

Neville A. Booth, D.M.D.
Harold A. Carnes, D.M.D.
Henry J. Carney, D.M.D.
George Christman, D.M.D.
Walter C. Guralnick, D.M.D.
Norman Trieger, D.M.D.

Dental Surgeons

Peter A. Dempsey, D.M.D.
Henry D. Howe, D.M.D.
Owen W. Kite, D.D.S.
Glenn W. Lawrence, D.M.D.
Robert C. Lincoln, D.M.D.
Richard L. Miner, D.D.S.
Morton J. Olin, D.M.D.
Robert G. Rae, D.M.D.
Frank I. Rhodes, D.M.D.
Earle H. Rosenberg, D.M.D.
Earle J. Waddington, D.M.D.

Assistant Dental Surgeons

Harold A. Bratt, D.M.D.
William L. Cosgrove, D.M.D.
Charles H. Endee, D.M.D.
Frederick J. Feeney, D.M.D.
Julius J. Levitan, D.M.D.
Joseph C. Oakley, D.M.D.
Symon C. Polansky, D.M.D.
Frederick K. Poulin, D.M.D.
Keith A. Shangraw, D.M.D.
John B. Taylor, D.D.S.
William H. Tingey, Jr., D.M.D.

DEPARTMENTS

PATHOLOGY

Chief of Department

Benjamin Castleman, M.D.

Pathologists

Robert E. Scully, M.D.
Edgar B. Taft, M.D.
Austin L. Vickery, Jr., M.D.

Associate Pathologists

Richard B. Cohen, M.D.
Winfield S. Morgan, M.D.

Associate Visiting Pathologist

Ronald C. Sniffen, M.D.

Assistant Pathologists

Leonard Atkins, M.D.
James B. Caulfield, M.D.
H. Robert Dudley, Jr., M.D.
Priscilla Dienes Taft, M.D.

Assistant in Pathology

Martin H. Flax, M.D.

Neuropathologists

Raymond D. Adams, M.D.
Edward P. Richardson, M.D.

Associate Neuropathologist

C. Miller Fisher, M.D.

Assistant Neuropathologist

Henry deF. Webster, M.D.

Consultants in Forensic Pathology

Richard Ford, M.D.
Michael A. Luongo, M.D.

RESEARCH CHEMISTRY

Biochemist

†Herman M. Kalckar, M.D.

BACTERIOLOGY

Assistant Bacteriologist

Lawrence J. Kunz, PH.D.

Consulting Bacteriologist

Louis Dienes, M.D.

RADIOLOGY

Chief of Department

Laurence L. Robbins, M.D.

Radiologists

Milford D. Schulz, M.D.
Stanley M. Wyman, M.D.

Associate Radiologists

Jack R. Dreyfuss, M.D.
Paul F. J. New, M.D.
Paul M.G. St. Aubin, M.D.
Chiu-chen Wang, M.D.

Consulting Visiting Radiologist

Richard Schatzki, M.D.

---

†7.1.61

Assistant Radiologists

*Noel H. Aldridge, M.D.
J. Malcolm McNeill, M.D.
Majic S. Potsaid, M.D.
Frederick S. Tomchik, M.D.

Assistants in Radiology

*Ronald Cable, M.D.
*Alfred L. Weber, M.D.
*Peter M. Hacking, M.D.
Louis Wener, M.D.
Walther T. Weylman, M.D.

Physicist
Edward W. Webster, PH.D.

Assistant Physicist
Eugene T. Agard, M.SC.

Engineer
Oliver E. Merrill, B.E.E.

PHYSICAL MEDICINE

Chief of Physical Medicine
Arthur L. Watkins, M.D.

BLOOD BANK

Director
Morten Grove-Rasmussen, M.D.

Assistant Director
Robert S. Shaw, M.D.

CONSULTANTS

Consultants in Medicine

Benjamin G. Ferris, M.D.
Conrad Wesselhoeft, M.D.

Consultants in Preventive Medicine

John E. Gordon, M.D.
David D. Rutstein, M.D.

Consultant in Tropical Diseases
George C. Shattuck, M.D.

Consultants to Children's Service

William Berenberg, M.D.
Stewart H. Clifford, M.D.
Louis K. Diamond, M.D.
Clement A. Smith, M.D.

*When Mass. license received

Consultant in Surgery
Augustus Thorndike, M.D.

Consultant in Neurosurgery
Oscar Hirsch, M.D.

Consultants to Orthopedic Service
Morris Cohen, PH.D.
Robert J. Hansen, SC.D.
Alan J. Hodge, PH.D.
George Scatchard, PH.D.

Consultant in Pharmacology
Otto Krayer, M.D.

Consultant in Pathology
Walter G. H. Putschar, M.D.

Consultant in Radiology
Edward B. D. Neuhauser, M.D.

Consultants in Physics
Robley D. Evans, PH.D.
John G. Trump, D.SC.

Consultant in Neurophysiology
Alexander Forbes, M.D.

ASSOCIATE STAFF

Clinical Associates in Medicine
John G. Freymann, M.D.
John R. Graham, M.D.
J. Evarts Greene, M.D.
David Littmann, M.D.
Sylvester McGinn, M.D.
Henry D. Stebbins, M.D.
Frederic Tudor, M.D.
Arthur A. Wills, Jr., M.D.
John W. Zeller, M.D.

Clinical Associates in Dermatology
Joseph Albert, M.D.
John L. Fromer, M.D.
Sabino J. Sinesi, M.D.

Clinical Associates in Psychiatry
Arthur W. McMahon, M.D.
Lionele D. Wells, M.D.

Clinical Associates in Children's Service
Doris R. Bennett, M.D.
Albert Cohen, M.D.
John A. Duggan, M.D.
Edward C. Dyer, M.D.
John G. Flynn, M.D.
Theodore S. Golden, M.D.
Joseph L. Lewis, M.D.
Alexander S. MacDonald, Jr., M.D.
Francis C. McDonald, M.D.
James A. O'Shea, M.D.
Walter Pick, M.D.
Leonard H. Plotkin, M.D.
Robert F. Wilson, M.D.

Clinical Associates in Surgery

Richard C. Austin, M.D.
Donald V. Baker, Jr., M.D.
Martin J. Bellinger, M.D.
Charles B. Burbank, M.D.
Chester J. Dexter, M.D.
George F. Emerson, M.D.
Edward L. Ferguson, M.D.
Gerald G. Garcelon, M.D.
Walter E. Garrey, M.D.
John B. Graham, M.D.
Ward I. Gregg, M.D.
Irad B. Hardy, M.D.
Clement A. Hiebert, M.D.
Joseph A. Holmes, M.D.
William K. McClelland, M.D.
George A. Marks, M.D.
Carroll C. Miller, M.D.
Joseph E. Murray, M.D.
Spiros P. Sarris, M.D.
James M. Shannon, M.D.
Lamar Soutter, M.D.
Richard H. Thompson, M.D.
Masao Yatsuhashi, M.D.

Clinical Associates in Neurosurgery

Louis Bakay, M.D.
Jost J. Michelsen, M.D.

Clinical Associates in Orthopedic Surgery

Gerald S. Brickman, M.D.
Thomas F. Broderick, Jr., M.D.

Clinical Associate in Urology

Emil J. Ganem, M.D.

Clinical Associates in Obstetrics

Robert H. Barker, M.D.
A. Gordon Gauld, M.D.
John L. Newell, M.D.
Charles P. Sheldon, M.D.
Bartlett H. Stone, M.D.

Clinical Associates in Dentistry

Herman DeWilde, D.M.D.
Norton Fishman, D.M.D.
Merton W. Foss, D.M.D.
Daniel J. Holland, Jr., D.D.S.
George M. Noss, D.M.D.
Howard C. Reith, D.M.D.
Charles E. Rounds, D.M.D.
Edward L. Sleeper, D.D.S.
Jerome K. Walker, M.D., D.M.D.

Clinical Associate in Pathology

Robert Fienberg, M.D.

Clinical Associates in Radiology

Joseph Hanelin, M.D.
H. Peter Mueller, M.D.
Richard G. O'Brien, M.D.

CLINICAL ASSISTANTS

Medicine

Donnell W. Boardman, M.D.
Arthur E. Brown, M.D.
Albert I. C. DeFriez, M.D.
John Denovian, M.D.
Ellis Dresner, M.D.
Anne F. Godley, M.D.
*William A. Hall, M.D.
Charles S. Keevil, M.D.
Louis Kunian, M.D.
Alice Lowell, M.D.
Edward S. Rendall, M.D.
Raymond J. Savignac, M.D.
Oscar E. Starobin, M.D.
Hugh Tatlock, M.D.
Gordon D. Winchell, M.D.

Dermatology

Nicholas J. Fiumara, M.D.

Psychiatry

Martin R. Coles, M.D.
Robert L. Kelley, M.D.
Lionel A. Schwartz, M.D.

Surgery

James M. Doonan, M.D.
Frank W. Garran, Jr., M.D.
Paul F. Gryska, M.D.
Eugene A. Guralnick, M.D.
Theodore M. Leary, M.D.
Phyllis MacNeil, M.D.
*James E. McKittrick, M.D.
Peter J. Mozden, M.D.
Albert S. Murphy, M.D.
Aram Roopenian, M.D.
John L. Rowbotham, M.D.
Clarke Staples, M.D.
D. Albert Young, M.D.

Orthopedic Surgery

Edward A. Nalebuff, M.D.
*Gardner F. Fay, M.D.
Verner S. Johnson, M.D.

Neurosurgery

Robert G. Ojemann, M.D.

Pediatrics

Elroy E. Anderson, M.D.

Neurology

David C. Poskanzer, M.D.

Pathology

G. Richard Dickersin, M.D.

Radiology

D. Glyn Millard, M.D.
John T. Pollard, Jr., M.D.
James A. Peterson, M.D.
Clinton B. Seeley, M.D.

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*thru 6.30.61

HOUSE STAFF

Residents and Interns
As of January 1, 1961

Medicine

Chief Resident:
K. Frank Austen, M.D.

Residents:
George P. Baker, Jr., M.D.
Paul H. Black, M.D.
Kurt J. Bloch, M.D.
John R. David, M.D.
Mehran Goulian, M.D.
Hussein E. Samiy, M.D.

Assistant Residents:
J. Richard Baringer, M.D.
Robert W. Carey, M.D.
James R. Carter, Jr., M.D.
Frank F. Davidoff, M.D.
Karl Engelman, M.D.
Paul F. Griner, M.D.
Mart Mannik, M.D.
Arthur J. Moss, M.D.
Robert K. Oosborne, M.D.
Richmond Prescott, M.D.
Dwight R. Robinson, M.D.
Irwin H. Rosenberg, M.D.

Interns:
David H. Alpers, M.D.
Stanley H. Appel, M.D.
Peter VanD. Barrett, M.D.
Lloyd A. Ferguson, M.D.
Stephen E. Goldfinger, M.D.
James R. Hughes, M.D.
Rex L. Jamison, M.D.
Raphael F. Smith, M.D.
William B. Stason, M.D.
Samuel O. Thier, M.D.
Richard J. Wurtman, M.D.
William J. Yount, M.D.

Dermatology

Resident:
A. David McGugan, M.D.

Assistant Residents:
Irving D. Bornstein, M.D.
Leon M. Edelstein, M.D.
Burnham E. Lamkins, M.D.

Neurology

Residents:
Chaim I. Mayman, M.D.
Gerald F. Winkler, M.D.

Assistant Residents:
Arthur K. Asbury, M.D.
T. Corwin Fleming, M.D.
Arthur L. Prensky, M.D.

Psychiatry

Assistant Residents:
Peter T. Choras, M.D.
Wellington Bau Cu, M.D.
Donald J. Fern, M.D.
Harold W. Williams, Jr., M.D.

Children's

Chief Resident:
R. Wyman Sanders, M.D.

Resident:
Elroy E. Anderson, M.D.

Assistant Residents:

Charles E. Burden, M.D.
David J. Lang, M.D.
Donald M. Muirhead, M.D.
Hart deC. Peterson, M.D.
John B. Robbins, M.D.
Murray K. Rosenthal, M.D.
Joseph F. Stocks, M.D.

Interns:

John M. Davis, M.D.
Leonard I. Kleinman, M.D.
Brigid P. Nesburn, M.D.
John T. Truman, M.D.

Surgery

Residents:

Arthur E. Baue, M.D.
Edwin W. Salzman, M.D.

First Assistant Residents:

Donavin A. Baumgartner, Jr., M.D.
David L. Collins, Jr., M.D.
Oscar S. DePriest, III, M.D.
Gilbert Hermann, M.D.
Dale G. Johnson, M.D.
Walter E. Klingensmith, M.D.
Ronald A. Malt, M.D.
Eugene R. Nobles, Jr., M.D.

Second Assistant Residents:

Frederick W. Ackroyd, M.D.
Mortimer J. Buckley, Jr., M.D.
Bob Bullwinkel, M.D.
Mervyn F. Burke, Jr., M.D.
Abdollah Gashgai, M.D.
Jack J. Greenberg, M.D.
Stephen E. Hedberg, M.D.
John B. Herrmann, M.D.
Charles F. McKhann, III, M.D.
John W. Madden, M.D.
Anthony P. Monaco, M.D.
Anthony S. Patton, M.D.
John T. Porvaznik, Jr., M.D.
Quentin R. Stiles, M.D.
Harold C. Urschel, Jr., M.D.

Third Assistant Residents:

Arthur L. Herbst, M.D.
Nelson R. Lampert, M.D.
Lucian L. Leape, Jr., M.D.
Raphael H. Levey, M.D.
Eldred D. Mundth, M.D.
Don C. Pearl, Jr., M.D.
David B. Skinner, M.D.
William G. Stewart, Jr., M.D.
John Urquhart, III, M.D.
Richard H. Wohl, M.D.

Interns:

Joseph R. Barrie, M.D.
Sheldon C. Binder, M.D.
John D. Burrington, M.D.
George P. Canellos, M.D.
Ruben F. Gittes, M.D.
Donald B. Halverstadt, M.D.
Ashby C. Moncure, M.D.
Gerald M. Moss, M.D.
Leslie W. Ottinger, M.D.
John M. Reed, M.D.

Neurosurgery

Resident:

Robert G. Ojemann, M.D.

Assistant Residents:

Earl F. Jordan, M.D.
David M. Klein, M.D.
Clyde N. Shealy, M.D.
Raleigh L. Wright, M.D.
Nicholas T. Zervas, M.D.

Anesthesia

Resident:

George E. Battit, M.D.

Assistant Residents:

Maurice J. Boivin, M.D.
Robert G. Frost, M.D.
Richard F. Gibbs, M.D.
Leo T. Kelly, M.D.
Edward Los, M.D.
Edward Lowenstein, M.D.
Bucknam McPeek, M.D.
Alphonse M. Prus, M.D.
Claire M. Stiles, M.D.

Orthopedics

Residents:

Richard E. Senghas, M.D.
William E. Wilson, M.D.

Assistant Residents:

Dudley M. Baker, M.D.
Felix A. Battat, M.D.
Richard G. Eaton, M.D.
Gerald Kenner, M.D.
David C. Mitchell, M.D.
Maureen K. Molloy, M.D.
Walid A. Mnaymneh, M.D.
Clement B. Sledge, M.D.
Marvin S. Weinfeld, M.D.
Henry D. Wilde, Jr., M.D.

Urology

Resident:

Stuart E. Price Jr., M.D.

Assistant Residents:

Khalil Abi-Torbey, M.D.
Alan C. Markland, M.D.
William Lee Strickler, M.D.

Pathology

Assistant Residents:

John E. Adams, M.D.
John F. Barlow, M.D.
Sheldon Cooperman, M.D.
F. Daniel Foley, M.D.
Lewis P. James, Jr., M.D.
Herbert I. Krickstein, M.D.
William L. Miller, M.D.
Giuseppe G. Pietra, M.D.
Alexander Polak, M.D.
Karl H. Wegner, M.D.

Intern:

Stewart Sell, M.D.

Radiology

Residents:

Elwin W. Donnelly, M.D.
John B. Little, M.D.
Yosh Maruyama, M.D.
William T. McCoy, M.D.
Harold Simon, M.D.

Assistant Residents:

Stanley P. Bohrer, M.D.
Thomas A. Carey, M.D.
George B. Carter, M.D.
Robert E. Dinsmore, M.D.
Nathan T. Griscom, M.D.
Robert A. Nebesar, M.D.
James J. Pollard, M.D.
James W. Tanner, M.D.

Dental

Resident:

J. Henry Stempien, M.D.

Interns:

Peter G. Kimball, D.M.D.
Leonard B. Shulman, D.M.D.

CLINICAL AND RESEARCH FELLOWS

Medicine

Mary Day Albert, PH.D.
David W. Allen, M.D.
Anton T. Appels, M.D.
Neil Baggett, PH.D.
Charles H. Banov, M.D.
William H. Batchelor, M.D.
Joe C. Bennett, M.D.
Paul J. Binette, M.D.
John A. Bolzan, M.D.
Caeser A. Briefer, Jr., M.D.
James P. Burnett, Jr., M.D.
William T Butler, M.D.
Arthur B. Callahan, PH.D.
William P. Castelli, M.D.
Annemarie Closse, PH.D.
Sidney R. Cooperband, M.D.
Albert Damon, M.D., PH.D.
David C. Dean, M.D.
Jacob de Graff, M.D.
Roman W. DeSanctis, M.D.
Witold Drabikowski, PH.D.
Eric Engel, M.D.
Alvin Essig, M.D.
Derrick Felix-Davies, M.D.
Milan Fiala, M.D.
Herbert A. Haessler, M.D.
Reginald Hall, M.D.
William A. Hall, M.D.
Anund A. Hallen, M.D.
Earle I. Hammer, M.D.
Peter R. Holt, M.D.
Harris Hyman, III, M.D.
Jorgen G. Jacobsen, M.D.
Robert E. Kahn, M.D.
Sigetosi Kamiyama, M.D., PH.D.
Shelby Kashket, PH.D.
Jean V. Fulton King, M.D.
Roger J. B. King, PH.D.
Jan Koch-Weser, M.D.
Marvin R. Lamborg, PH.D.
Robert S. Lees, M.D.
Austra Likais, M.D.
Myron Lotz, M.D.
Tecla Lovina, M.D.
Donald McCaughan, M.D.
Francis D. Milligan, M.D.
John A. Mills, M.D.
Tapan K. Mukherjee, PH.D.
Perry F. Mullinax, Jr., M.D.
B. S. Narasinga Rao, PH.D.
Manuel Nava y Gutierrez de Velasco, M.D.
Hans B. Nevinny-Stickel, M.D.
Joe R. Norman, M.D.
Serge D. Orloff, M.D.
Jose A. Pangaro, M.D.
Leslie Parker, B.SC.
Imre J. L. Pinter
Kenneth G. Potee, M.D.
Mitchell T. Rabkin, M.D.
Annette M. C. Rapin, PH.D.
Ellis L. Rolett, M.D.
Hugues Ryser, M.D.
Allan I. Sandler, M.D.
Robert H. Schapiro, M.D.
Lewis F. Scribner, Jr., M.D.
John R. Senior, M.D.
Mary Jane Spiro, PH.D.
Robert G. Spiro, PH.D.
Isadore Starr, M.D.
Dorothy K. Stearns, PH.D.
Anne M. Stoffyn, PH.D.
Pierre J. Stoffyn, PH.D.
Martin Terplan, M.D.
Shizuko Takahashi, M.D.
John D. Turner, M.D.
Weiert M. Velle, M.D.
Irving Weliky, PH.D.
Chuan-Tao Yu, PH.D.

Dermatology

Howard P. Baden, M.D.
Irwin M. Freedberg, M.D.
Hensley S. Johnson, M.D.
David R. Maloney, M.D.
Makoto Seiji, M.D.

Psychiatry

Harry S. Abram, M.D.
John A. Baldwin, M.D.
Phillip R. Boyd, M.D.
Lloyd M. Caplan, M.D.
Frederick J. Duhl, M.D.
Jacqueline Gauthier, M.D.
Manuel Hernandez, M.D.
William F. McCourt, M.D.
Edward Messner, M.D.
Harry S. Olin, M.D.
George M. Perrin, M.D.
George W. Rever, M.D.
Jack O. Rice, M.D.
Nathan T. Sidley, M.D.
Philip R. Sullivan, M.D.
Captane P. Thomson, M.D.
Herbert C. Wimberger, M.D.

Children's

Ann B. Barnet, M.D.
Edward C. Defoe, Jr., M.D.
Mehmet N. Kalayci, M.D.
Krishna M. Saxena, M.D.
Boris Senior, M.D.
Juan F. Sotos, M.D.

Neurology

Barry G. W. Arnason, M.D.
Nelly Chiofalo, M.D.
George H. Collins, M.D.
Prafulchandra M. Dalal, M.D.
Alvaro Fernandez (Salas), M.D.
John B. Isom, M.D.
Branislav D. Jankovic, M.D.
Timo U. Kosunen, M.D.
James W. Lance, M.D.
Guy M. McKhann, M.D.
Ernest H. Picard, M.D.
Lawrence Stark, M.D.
Vincent W. Steward, M.D.
Ansgar Torvik, M.D.
Alfred D. Weiss, M.D.
Gilbert F. Young, M.D.

Neuropathology

Monroe Cole, M.D.
Richard T. Johnson, M.D.
Bruce W. Konigsmark, M.D.
George Kury, M.D.
Alexander M. McPhedran, M.D.
James Q. Miller, M.D.
Edward F. Rabe, M.D.

Surgery

Christopher J. W. Huston, M.D.
Melvin Lederman, M.D.
S. Bert Litwin, M.D.
J. Philip Lythgoe, M.D.
Anne Wight Phillips , M.D.
Rene Riquelme (Mococain), M.D.
Mahmoud Sadrieh, M.D.
Justus S. Saurbrey, M.D.

Neurosurgery

Luciano Basauri, M.D.
Hans Hacker, M.D.
Rodolfo R. Llinás, M.D.
Nicholas T. Zervas, M.D.

Orthopedics

Anthony Andrikides, PH.D.
Laurence C. Bonar, PH.D.
Eubert J. Daniel, PH.D.
Peter A. Freeman, M.D.
Ulf A. Friberg, M.D.
Robert W. Jackson, M.D.
Samuel R. Kamhi, PH.D.
Elton P. Katz, PH.D.
Murray V. King, PH.D.
Gerald L. Mechanic, PH.D.
Leighton B. Richards, PH.D.
Edward J. Riseborough, M.D.
Harilaos T. Sakellarides, M.D.
Louis Solomon, M.D.
Dorothy F. Travis, PH.D.

Anesthesia

James E. Anliker, PH.D.
Cesare G. Coletta, M.D.
Gianfranco DalSanto, M.D.
Brian C. Dalton, M.D.
Luis L. de Mola, M.D.
Franco R. Dinale, M.D.
Patrick J. Donegan, M.D.
John Hedley-White, M.D.
Talbot D. Seigne, M.D.
Judith A. Tassie, M.D.
Dorothy A. Wescott, M.D.

Pathology

Karoly Balogh, M.D.
Jochanan H. Boss, M.D.
Wallace A. Jones, M.D.
David Korn, M.D.
Lorna J. Langer, PH.D.
Preecha Lojananond, M.D.
Latifeh (Ghandur) Mneimneh, M.D.
Nobuhiko Okabe, M.D.
Harry J. Smith, M.D.
Tinrat Stitnimankarn, M.D., D.SC.
Nathan S. Taylor, M.D.
William M. Thurlbeck, M.D.
Hubert J. Wolfe, M.D.

Radiology

Noel H. Aldridge, M.D.
Ronald Cable, M.D.
Peter M. Hacking, M.D.
Goro Irie, M.D.
Donald R. Lintner, M.D.
Richard C. Packert, M.D.
Harold Simon, M.D.
Mustafa L. Sipahi, M.D.
Alfred L. Weber, M.D.

Urology

Hirsch W. Sulkowitch, M.D.

Physical Medicine

Dorothy E. Ford, M.D.
James D. Sullivan, M.D.

Blood Bank

Harold B. Anstall, M.D.

McLEAN HOSPITAL

List of Officers of the McLean Hospital will be found on page 161.

The Ophthalmological and Otolaryngological needs of the Massachusetts General Hospital are served by the Massachusetts Eye and Ear Infirmary. Their Staff becomes a part of the Staff of the Massachusetts General Hospital and is as follows:

MASSACHUSETTS EYE AND EAR INFIRMARY

DEPARTMENT OF OPHTHALMOLOGY

Chief of Ophthalmology

Edwin B. Dunphy, M.D.

Consulting Chief of Ophthalmology

Frederick H. Verhoeff, M.D.

Surgeons in Ophthalmology

William P. Beetham, M.D.
Virgil G. Casten, M.D.
David G. Cogan, M.D.
Mahlon T. Easton, M.D.
Trygve Gundersen, M.D.
Brendan D. Leahey, M.D.
Garrett L. Sullivan, M.D.

Associate Surgeons in Ophthalmology

Henry F. Allen, M.D.
Harry E. Braconier, M.D.
Thomas Cavanaugh, M.D.
W. Morton Grant, M.D.
Carl C. Johnson, M.D.
Sumner D. Liebman, M.D.
Abraham Pollen, M.D.
Earl S. Seale, M.D.
Charles L. Schepens, M.D.
Albert E. Sloane, M.D.

Assistant Surgeons in Ophthalmology

D. Robert Alpert, M.D.
Frederic B. Breed, M.D.
Robert J. Brockhurst, M.D.
Julian F. Chisholm, Jr., M.D.
Joseph M. Clough, M.D.
Edward E. Covitz, M.D.
Thomas P. Cronin, M.D.
*Edwin B. Goodall, M.D.
Warren D. Haley, M.D.
John M. Hill, M.D.
Charles H. MacLaughlin, M.D
S. Forrest Martin, M.D.
Arthur M. Morrissey, M.D.
Henry A. Mosher, M.D.
Ichiro D. Okamura, M.D.
Richard B. Pippitt, M.D.
Karl Riemer, M.D.
David H. Scott, M.D.
Taylor R. Smith, M.D.
William Stone, Jr., M.D.
*Robert R. Trotter, M.D.
Francis J. West, M.D.

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*Leave of Absence

Assistants in Ophthalmology

Peter Beck, M.D.
S. Arthur Boruchoff, M.D.
Arthur F. Calnan, M.D.
Richard B. Chapman, M.D.
David D. Donaldson, M.D.
Joseph L. Dowling, Jr., M.D.
Carl Gates Freese, Jr., M.D.
Robert J. Herm, M.D.
Paul D. Hurley, M.D.
Carl Kupfer, M.D.
Robert C. Lawlor, M.D.
Byron S. Lingeman, M.D.
Irwin T. Mancall, M.D.
Bertha Offenbach, M.D.
George M. Olive, Jr., M.D.
Irving L. Pavlo, M.D.
Charles D. J. Regan, M.D.
Henry J. Ring, M.D.
Paul M. Runge, M.D.
Baruch J. Sachs, M.D.
Alfred W. Scott, M.D.
Edward C. Sweebe, M.D.
Michael Wiedman, M.D.

DEPARTMENT OF OTOLARYNGOLOGY

Chief of Otolaryngology

Philip E. Meltzer, M.D.

Surgeons in Otolaryngology

Walter J. E. Carroll, M.D.
J. Charles Drooker, M.D.
John R. Frazee, M.D.
Vincent J. Kelley, M.D.
Joseph Lentine, M.D.
John R. Richardson, M.D.

Associate Surgeons in Otolaryngology

Charles Kent, M.D.
Donald K. Lewis, M.D.
John E. McKeigue, M.D.
William W. Montgomery, M.D
George F. Reed, M.D.
Aram Roopenian, M.D.
Herman J. Sternstein, M.D.
Bernard Zonderman, M.D.

Assistant Surgeons in Otolaryngology

Hugo D. Angelini, M.D.
Elizabeth DeBlois, M.D.
Kenneth A. Kazanjian, M.D.
Robert E. Klotz, M.D.
William P. Rogers, Jr., M.D.
Anthony Zovickian, M.D.

Assistants in Otolaryngology

Frank W. Brady, M.D.
Louis E. Griffey, M.D.
*Lawrence S. Hirsch, M.D.
Alfred L. Hurst, M.D.
Mendell Robinson, M.D.
Sydney Shore, M.D.
Morris Swartz, M.D.
John C. Trakas, M.D.
Albert Weiser, M.D.
Sidney R. Wilker, M.D.
Albert H. Williams, M.D.

*Leave of Absence

One Hundred Forty-Seventh Report of the Trustees

AS the Hospital closed its One Hundred and Forty-Ninth year, it looked forward to the celebration of the 150th Anniversary to be opened by a significant Convocation to be held January 31, February 1 and 2, under the direction of John E. Lawrence as Chairman. Statesmen from the United States and scientists from around the world will join in a series of panel discussions and scientific symposia covering subjects of interest to enlightened laymen and the medical profession. A formal birthday anniversary banquet will climax the Convocation with the Honorable Abraham A. Ribicoff, Secretary of Health, Education and Welfare, as the principal speaker.

Mr. Lawrence has been assisted by Mr. H. D. Hodgkinson in charge of Publicity, Messrs. Elliot L. Richardson and Edward A. Weeks as Vice Chairmen in charge of Speakers and Panels, and Mr. Gerald W. Blakeley, Jr. responsible for Arrangements. The scientific symposia have been arranged by a committee headed by Dr. Paul Dudley White. The nursing activities during the time of the Convocation were planned by Miss Ruth Sleeper.

The Trustees have organized a Special Gifts Campaign with over 350 volunteers enlisted to carry out the solicitation of approximately 2,000 prospects during February and March. A general appeal will be made to all friends of the Hospital in early spring. The 150th Anniversary Fund stood at $8,280,074 at the beginning of the Anniversary Year.

The McLean Hospital is, of course, playing its important part in the celebration of this Anniversary. The staff of McLean initiated this participation by taking an active and generous part in the campaign for funds conducted during the summer. Also the Scientific Advisory Committee of McLean reviewed the plans for utilization of the new laboratories. The completion of the extensive addition to the one directed by Dr. Folch-Pi was a high point in the year's happenings at McLean.

A long awaited change in the geography of the Hospital was completed during the year. On the last day of 1959 the Hospital acquired the North Mortuary from the City, a condition of the sale being that all our buildings in the block west of North Grove Street would be demolished in 1960. The Mortuary, the Fire House and the Nurses' Home at the corner of Cambridge Street, which formerly housed Minichiello's store, were promptly torn down opening the area to parking. The remaining building, the former City Stables, offered a problem because in it were housed our maintenance shops. These facilities were finally transferred to the old laundry area and the Cambridge Street Garage, and the Stables torn down. At the same time we finally acquired the last of the dwellings on the west side of North Anderson Street, and as the remaining four of these were demolished, the Hospital at last was opened to Cambridge Street.

Mr. Oliver Waite, who had been ably handling the Hospital's legal affairs since the death of Mr. Bartholomew Brickley, was appointed as Hospital Counsel.

The ever present parking problem was greatly eased through renting from the Boston Redevelopment Authority several large blocks of cleared land in the West End area. It is probable that such rental will be available for several years, but long-range planning for parking facilities was instigated during the year.

The shift from using our own laundry facilities to a contract with a commercial laundry was creating many difficulties through the year and it was fortuitous that a group of hospitals had been working towards establishment in Boston of a cooperative hospital laundry. A factory on Ipswich Street well adapted for this purpose had been acquired and it was decided that the Hospital would participate in this venture.

The winter months of the year began to show operating deficits that caused considerable concern. With equal concern at the high cost of hospital care, it was necessary to make every effort to avoid a raise in rates, but a raise in nurses' wages and the application of the minimum wage law to hospitals forced a rate increase in May of about $2.00 across the board. This served towards meeting the higher payroll but did not solve the deficit problem. A special committee of the Trustees undertook

an investigation of operational efficiency and experts were brought in from outside to this end. There were happily not many criticisms of existing practices but some changes have been put into effect that will create savings, not in time, however, to avoid an extremely heavy deficit for the year.

Some of the important high lights of the year while not necessarily in order of importance were:

The active cooperation between the Hospital, Massachusetts Institute of Technology, the Rockefeller Foundation, and the Atomic Energy Commission to make available an operating room for neurosurgery in connection with the M.I.T. reactor.

The long awaited removal of the laundry from its historic location first occupied in 1847. This allowed for major alterations and repairs for the laboratories under the direction of Dr. Stanbury.

The biweekly meetings of the Building Committee working on the preparation of plans for the new Clinics Building.

Improvements to the 8th floor of the Phillips House, and to White 8 and White 4.

Also improvements to the Phillips House reception room and specimen gathering room for all laboratories.

Perhaps one of the most significant developments was the approval of the so-called "White 8 Plan", under which Surgical Ward patients in excess of those needed for the teaching services would be assigned to a limited amount of beds in the White Building as private patients of younger members of the Surgical Staff, designated by the Chief of the Surgical Services.

On September 20, Professor Philip R. Allison, F.R.C.S., Nuffield Professor of Surgery at Radcliffe Infirmary, Oxford, England, gave a "Richardson Lecture" at the Hospital.

The year also marked the expiration of his term as Secretary of the Research Committee of Dr. W. D. Sohier, Jr., who served with distinction for three years during a period of great research expansion.

Finally should be noted our resignations, appointments, and deaths.

Resignations:

Dr. Allan M. Butler, Chief of the Children's Medical Service, having reached the retiring age, retired July 1. He was appointed a member of the Board of Consultation. (Dr. Butler had served as Chief since 1941).

Dr. John P. Bunker resigned his position as Anesthetist on August 31, to take a position as Chief of the Anesthesia Service at Stanford University Medical School. (A graduate of the East Surgical Service, 1946 and the Anesthesia Service, 1950, he served as staff member until his resignation).

Dr. Paul S. Russell, a graduate of the Surgical Service, 1956, resigned his position as Assistant in Surgery, June 30, to accept the post of Associate Professor, College of Physicians and Surgeons, Columbia University and Associate Attending Surgeon at Presbyterian Hospital in New York.

Dr. Mahlon B. Hoagland, Associate Biochemist (Medicine) resigned August 31, 1960.
Professor of Bacteriology and Immunology at Harvard Medical School.

Leonard S. Spector, Ph.D., Assistant Biochemist (Medicine) resigned August 31, 1960.

Dr. John T. Sharp, Assistant in Medicine, resigned August 31.

Mr. Frederick D. Foster, Assistant Director since April, 1953, resigned in March.

Rev. Mr. Spofford, Protestant Chaplain resigned October 15, to accept an appointment as Dean of St. Michael's Cathedral, Boise, Idaho.

Appointments:

Dr. Nathan B. Talbot as Acting Chief of the Children's Medical Service, July 1.

Dr. Adelbert Ames, III, Assistant to the General Director for Research and Education, July 1.

Mr. Thomas Stebbins as head of the Department of Medical Art and the School of Illustration, July 1.

Deaths:

Dr. William H. Smith, a graduate of the West Medical Service, 1897, long associated with the Hospital and for the past several years Honorary Physician, died on November 30.

Dr. Williams Cochran, Clinical Associate in Orthopedic Surgery died on March 29, 1960.

Dr. Ralph D. Thompson, Clinical Associate in Dentistry died on September 25, 1960.

LLOYD D. BRACE
PHILIP H. THEOPOLD
For the Trustees

Report of the General Director

To the Trustees of The Massachusetts General Hospital:

IT is a particularly great honor to submit the report of the one hundred and fiftieth year of the Massachusetts General Hospital and my twelfth as General Director.

This year the most important occurrence, obviously, was the recognition of the Hospital's anniversary. The preparations during 1960 were arduous. Many committees worked far into the night preparing the program. The hardest worked, most patient, most ingenious, most energetic, and most responsible of all, however, was John E. Lawrence, Trustee, Convocation Chairman, mainly to whose credit was the successful Convocation held January 31, February 1 and 2, 1961. Mr. Lawrence was ably assisted by many, particularly Dr. Paul D. White, Chairman of the Scientific Committee, and Mr. John I. Carlson, special assistant to the Trustees for the 150th Anniversary Program.

Even during the anniversary celebration, however, the ordinary work of the Hospital went on. For example, while the Convocation ceremonies took place across town, the Hospital's operating room schedule continued as usual. So did the Emergency Ward and all the other day-to-day functions. This was to be expected, of course, but I mention it merely to emphasize the fact that a hospital is unique among American institutions (other than the military alert system) in being constantly on the job. Hospitals are proud of this, but it also goes far toward explaining hospital costs, personnel and community relations problems.

The most important events of the year for the Hospital's future, however, were organizational decisions of the kind that may not be so readily observed as a Convocation. There are three of these. One was the reiteration by the Trustees that the Hospital has the right to make permanent appointments of clinical or research staff, whether or not an academic institution agrees. It is expected that the Hospital will exercise this right

rarely but it is important that, as an independent institution, its right to make such appointments be announced and preserved. This whole discussion brought poignantly to the fore the question of the nature of free and permanent collaboration among independent institutions which may be described as a dynamic equilibrium. Collaboration among individuals, as in a scientific study or a marriage, is ancient and honorable but it is much less complicated than collaboration among institutions. It is more difficult, probably, to conduct than are the affairs of even a huge industry. It assumes that all parties to the agreement (it may be an unwritten one, as was the collaboration between Harvard Medical School and the Massachusetts General Hospital from 1811 to 1948) recognize their common interests. It assumes also that each of the collaborating parties is entirely free, within the bounds of common interests, to do anything it likes. This leads to plenty of difficulties but it also leads to a lot of enthusiasm and independent thought which, I would guess, represent the kind of thing that is by far our most important secret weapon in the world struggle for power. The very fact that every important action among collaborators requires a great many meetings, some arguments, and an occasional mistake is a stimulant to alertness, responsibility, and generosity among them.

In the United States, we hear a great deal about the desirability of free competition, but we hear very little about the desirability of free collaboration, which is probably every bit as stimulating and productive.

The second major organizational decision resulted from a request made by a number of part-time, practicing surgeons (about twenty) that they become full-time employees of the Hospital with all their earnings from private practice or otherwise going directly into the Hospital's funds, to be spent by the Trustees with the advice of the surgeons concerned. This change was made January 1, 1961, but all the groundwork was laid in 1960 and long before. The Hospital likes this arrangement because it makes the general interests of the institution identical with those of these important members of its staff. The surgeons are pleased with it because it makes possible disability benefits, pension, and other benefits that are difficult to achieve

in individual, private medical practice. It may well be that a major part of the staff will prefer this type of practice for the future and that this may become a method used by other hospital staffs, because almost all hospitals have become the main centers of health services in their communities.

The third decision has hardly yet begun to show its possibilities. This is the so-called "White-8" plan, under which patients, particularly those entitled to third party benefits, admitted to the Surgical Teaching Service in excess of those needed for the education of interns and residents may be assigned by the Chief of the General Surgeon Services as private patients of usually the younger members of the surgical staff. This is a move designed primarily to give our younger surgeons some clinical work — often very slow to come to an individual surgical practitioner in the community — and, with this, some income. The scheme is carefully designed to prevent its eroding the Surgical Teaching Service but it may, at the same time, offer a means of identifying certain private patients so closely with the teaching services as to make possible a future solution to the perplexing and in many parts of the country almost universal problem of how to recruit "teaching material" when most patients have some form of hospital or medical insurance.

More organizational changes, in keeping with changing general economic and social conditions, will undoubtedly occur in the future. There is, for instance, a great deal of speculation about how our staff can best serve the community in the building for ambulatory patients that is a major objective of the 150th Anniversary Program. In general, there appears to be a growing sentiment that this building should in some way be made accessible to all patients, rich or poor. This brings to mind another major 1960 organizational decision, to reduce to an informal and pleasant level the rather rigorous "means test" applied to patients in our Clinics with the prospect that eventually the Clinics may be open to all who present themselves and who need medical care, irrespective of income, as is now the case in our Emergency Ward and certain specified Clinics.

An organizational decision of a different kind is that of establishing a "Children's Service" in place of the previous Children's Medical Service. The reason for this is the addition, for the

first time, to the Massachusetts General Hospital Staff of a surgeon whose primary interest is in the surgical problems of children. Important in this new development is the fact that interns and residents in pediatrics will now have experience with the surgical problems of children as an integral part of their training.

This year 1960 also marks the successful completion of the search to find a scientist engaged in biological work to occupy the laboratory (the entire fifth floor of the Research Building) formerly used by Dr. Fritz Lipmann. The new scientist, who is also, as it happens, a biochemist, is Dr. Herman K. Kalckar, who will take over the laboratory on July 1. Danish by birth and education, Dr. Kalckar has had a distingushed career in this country since 1953, at Washington University, St. Louis, National Institutes of Health, and Johns Hopkins University. He is concurrently to be Professor of Biochemistry at Harvard Medical School, Hospital Full-time. This appointment gives the Hospital a distinguished senior investigator who will have the opportunity not only to continue his own important research but also to act as advisor in the whole area of biochemistry to people at both the Hospital and the Medical School. It is a great distinction for the Hospital to have Dr. Kalckar join our Staff.

Two major research laboratories were opened this year. They were the Orthopedic Research Laboratories on September 11, 1960 and the Stanley Cobb Laboratories for Research in Psychiatry on October 14. Each of these laboratories was constructed with about fifty percent financial aid from the Federal Government.

The whole research function of the Hospital has been greatly expanded and intensified with Federal money. Altogether, the Hospital has received about two million dollars in matching funds for research construction and about twenty million dollars for the direct and indirect expenses of research. The annual amount of Federal funds for research has increased about 400% since 1952.

The Hall-Mercer Hospital proved once again to be most helpful. This year, for the first time in recent years, all the Hall-Mercer income spent at the Massachusetts General Hospital was devoted entirely to research purposes, about half being

used to support investigators and the other half to pay for the hospitalization of patients being studied.

Mr. William J. MacNair retired on July 29, 1960, after many years of service to the Hospital. Howard W. Rath was appointed to succeed Mr. MacNair as Director of Building Service.

Miss Ida M. Cannon, pioneer in social work, died on July 7, 1960. Dr. Richard C. Cabot and Miss Cannon founded the first Medical Social Service Department in the world at the Massachusetts General Hospital in 1905. She was the first Chief of the Social Service Department, and served in that capacity until her retirement in 1945. Her devotion to the Hospital and her leadership in her profession will long endure.

By vote of the Trustees, Dalton Scholarships were awarded to Drs. Robert S. Lees and Robert H. Schapiro.

Two new histories of the Hospital have been published. "The Massachusetts General Hospital, 1935-1955" by Nathaniel W. Faxon, M.D. was published late in 1959 by the Harvard University Press. At the time of the Convocation, "Every Man Our Neighbor — A Brief History of the Massachusetts General Hospital, 1811-1961" by Joseph E. Garland was published by Little Brown.

Among the various distinctions that came to members of the staff during 1960 are the following:

Dr. H. Thomas Ballantine was elected President of the Boston Society of Psychiatry and Neurology at its annual meeting.

Dr. Henry K. Beecher was commissioned as a Kentucky Colonel by the Governor of Kentucky "in recognition of his work in medical education in that State".

Irvin H. Blank, Ph.D. was recognized by The New York Academy of Sciences with the honor of Fellowship in the Academy.

Mary A. B. Brazier, D.Sc., was awarded the degree of Doctor of Science by the University of London. The University awards this degree on the basis of published work.

Dr. Benjamin Castleman was named President-elect of the International Academy of Pathology at their 49th Annual Meeting. He was also elected a Fellow of the American Academy of Arts and Sciences.

Dr. Dean A. Clark was appointed Chairman of the Council

on Research and Education of the American Hospital Association.

Dr. Richard J. Clark was presented with a meritorious award at the Third Annual National Meetinng of the President's Committee on Employment of the Physically Handicapped, for "leadership as director of the cardiac work classification unit of the Massachusetts Heart Association."

Dr. Perry J. Culver has succeeded Dr. Kendall Emerson (*E.S.* 1902) as Assistant Dean for Admission of the Harvard Medical School.

Dr. Allan L. Friedlich was named President-elect of the Massachusetts Heart Association's Greater Boston Chapter.

Dr. Chester M. Jones was named President-elect of the American College of Physicians for 1960-61.

Dr. Francis C. Lowell was elected President of the New England Society of Allergy, to succeed Dr. Walter S. Burrage.

Dr. James Howard Means has been elected an Honorary Fellow of the Royal Society of Medicine in London, England.

Wheaton College at its One Hundred and Twenty-fifth Anniversary Convocation on October 15, 1960, conferred the honorary degree of Doctor of Science upon Miss Ruth Sleeper, Director of our School of Nursing and Nursing Service.

Mr. John W. Webb, Director of Pharmacy, was elected President of the Massachusetts Society of Hospital Pharmacists.

Dr. Edwin O. Wheeler was elected Secretary of the Massachusetts Heart Association's Greater Boston Chapter.

The Law-Science Academy of America has conferred the Gold Medal and a citation of the organization on Dr. James C. White, for distinguished contributions in bringing Neurological Surgery into closer relationship and cooperation with Law in the administration of Justice. The Medal is regarded as the highest honor attainable in this country for integrative work between the learned professions.

Miss Mary Ruth Wolf, Director of the Volunteer Department, was elected Chairman of the Greater Boston Council, Directors of Hospital Volunteers for 1960-62.

At the beginning of this report, I mentioned that even during the Anniversary Celebration the regular activities of the Hospital went on without interruption. As we pass the century-and-

a-half milestone and look toward the future, perhaps our greatest source of strength is to be derived from the all pervading spirit that sees the patient as the central focus of whatever we do. This spirit is demonstrated not only in skills and techniques, but in the recognition of each individual patient's needs and in compassion for all who suffer.

DEAN A. CLARK, M.D.
General Director

Report of the General Executive Committee

AS the activities of the Hospital continue to increase so do the number and complexities of the problems confronting the General Executive Committee. Longer and additional meetings have been required and this practice will have to continue if the questions which come before the Committee are to be dealt with effectively.

The time spent in dealing with appointments has been effectively reduced by having the recommendations carefully reviewed by a member of the Committee prior to its meetings. In addition to approving individual appointments, considerable thought has been given to staff planning with respect to maintaining the representation of diverse professional skills and a high patient census. These are matters of continuing endeavor.

Many hours have been spent this year considering problems related to Blue Shield fees and other third party payments for professional services of ward patients. We regret that a satisfactory method of collecting Blue Shield fees for these services has not yet been devised. The action of the Massachusetts Medical Society in directing Blue Shield to require the personal signature of each physician rendering professional services threatens both the present manner of collecting professional fees in the Baker Memorial and the Baker fee system. The Committee has recommended a trial method of dealing with this directive.

The Committee has considered several innovations pertaining to the clinical practice of medicine in the Hospital during the year. These include:

1. The recommendation of the Committee, after considerable discussion, that for a trial period a limited number of service patients be assigned to junior members of the Surgical Service as private patients when such patients are not necessary for teaching purposes on the ward service. This arrangement was designed to provide personal

operating experience for the junior surgeon in his early years of practice and also to foster the perfection of special skills in certain operating procedures and in the handling of certain types of patients.

2. Having been informed of the plans for the formation of the Massachusetts General Hospital Surgical Associates, the Committee agrees in principle with the purposes of this group as written. The Committee's support of this plan was contingent on the development of the financial details to ensure support of the younger members in clinical experience, research and teaching, and financial income.
3. The recommendation that "alcoholics" be accepted in the Alcoholic Clinic irrespective of their ability to pay.
4. The establishment of a treatment center for patients who require twenty-four hour surveillance for respiratory aid was recommended and is being constructed on the North end of the second floor of the Phillips House.
5. The recommendation that an operating room be installed beneath the nuclear reactor at the Massachusetts Institute of Technology for the treatment of neurosurgical patients. This innovation is in operation.
6. Cognizant of the growing importance of the Emergency Ward, the Committee has sought to improve patient care in this area by the appointment of members of the Visiting Staff to supervise care of patients in this unit. Dr. Lindemann of the Psychiatric Service was appointed to the Emergency Ward Committee in recognition of the fact that the social and psychological components of illness seen in this area are as important as those seen elsewhere in the Hospital. The need for a larger Emergency Ward is recognized and ways and means to provide this are being sought.

The future of Endoscopy in the Hospital has been reviewed and plans have been made to extend the application of these procedures among a wider group of special clinics in order to make more readily available endoscopic diagnosis and teaching. The present high standards of safety, skill and coordination

of these procedures brought about by Dr. Benedict will be maintained.

Problems within the sphere of the Department of Nursing that have been reviewed with the Director of Nursing include those of nurse-physician relationships in the daily care of patients, how to eliminate errors of commission and omission in the execution of physician orders, and the possibility of encouraging certain convalescent patients to assume the responsibility of taking simple medicines at prescribed times.

The Committee has considered ways and methods of maintaining a high and nonfluctuating census of patients in the Hospital and also of introducing every feasible economy to reduce the cost of hospital care. The suggestions and recommendations received from the departmental heads and service chiefs, the Massachusetts General Hospital Associates, the General Hospital administration and the active staff via service meetings have been most helpful in pointing up the problems which exist. Some of these suggestions have been implemented; others are being considered or planned. At the present time the census is high and the Hospital is operating in the black.

Frequent reports from the Comptroller with respect to the financial situation of the Hospital have led to a better understanding of the factors in the increased cost of hospital care. The reports from the Administrative Committee of the Hospital have also been of value to the Committee in its deliberations.

The West End Redevelopment is proceeding on the North side of the Hospital. The Committee has approved the suggestion of the Administration and recommended to the Trustees that space be leased by the Hospital in the first building to be erected nearest to the Hospital. Such space would be used for offices of staff physicians and for whatever other purposes the immediate needs of the Hospital dictate. Occupancy of space in this building is seen as an opportunity to increase the number of staff doctors having offices in close proximity to the Hospital as in the Warren Building. Medical care for the inhabitants of the new housing development would be offered. The Committee has vigorously supported the Administration's action in securing temporary parking space in this redevelopment area.

Increasing awareness of the cost of operating the present

Ambulatory Clinic and of social and economic changes in medical practice, has led to further thought and discussion of the needs that can be anticipated in the proposed Ambulatory Clinic building. No final recommendations were made.

The above items disclose in partial extent the scope of the work of the General Executive Committee this year. The Committee is cognizant of the need to establish better communications and a definition of the lines of authority required for execution of the work of the Hospital. Dr. Castleman and Dr. Lindemann have made concrete recommendations in a special study. Some of their recommendations have been implemented and others remain on the agenda for discussion. It is desired that the Committee receive and review at regular intervals the reports of all special and standing committees; maintain contact with Chiefs of Service and Department Heads regarding their programs, particularly as they relate to interdepartmental interests; and keep informed of the actions of the Board of Trustees and the Hospital Committee of the Trustees.

Rapport with the Executive Board of the Massachusetts General Hospital Associates is also important. This year the General Executive Committee invited the Staff Associates to submit two names of members of the Staff to be placed on the ballot as nominees for members-at-large on the General Executive Committee.

In addition to the undersigned the Committee is grateful to Drs. Oliver Cope, Alfred Kranes and John Nemiah who served faithfully on the Committee in times of absence of Drs. Churchill, Bauer and Lindemann, respectively. After three years of helpful service as member-at-large, Dr. Howard Ulfelder was succeeded on the Committee by Dr. Richard Sweet on July 1, 1960.

EDWARD D. CHURCHILL, M.D., *Chairman*
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ALFRED H. STANTON, M.D.
RICHARD H. SWEET, M.D.
DEAN A. CLARK, M.D., *Secretary*

Report of the Committee on Research

RESEARCH continues to grow, both in terms of the effort being devoted to it and in terms of the productivity of this effort. The overall research budget of the Hospital increased another 24% during the past year, from 4.2 million to 5.2 million. Construction was completed on three important new laboratory areas and research in them has begun. These are the Orthopedic Research Laboratories on White 3A and 4 under the direction of Dr. Melvin J. Glimcher, the Thyroid Laboratory in the Bulfinch Basement under the direction of Dr. John B. Stanbury, and a major extension of the Research Laboratory at McLean under the direction of Dr. Jordi Folch-Pi. Perhaps more important than these budgetary and spatial increases has been the appointment to our Research Staff of many capable new investigators. The productivity of the Hospital's research is less easily assessed. A rough indication is provided by the fact that some 730 papers describing research in the Hospital were published or accepted for publication in 1959.

Most notable among the new appointments in research was that of Dr. Herman M. Kalckar. He will occupy the laboratories on the 5th floor of the Research Building formerly used by Dr. Fritz Lipmann. Dr. Kalckar's distinguished career includes appointments as Research Professor and Director of the Institut for Cytofysiologi in Copenhagen, Head of the Section on Metabolic Enzymes at the National Institute of Arthritis and Metabolic Diseases, and Professor of Biology at Johns Hopkins. In his early studies on kidneys, Dr. Kalckar described a type of phosphorylation with an absolute requirement for oxygen, to which he gave the now familiar term of "oxidative phosphorylation." Later he described a new type of reaction, the phosphorolytic fission of a nitrogen-carbon linkage, exemplified by the enzymic phosphorolysis of purine riboside. Dr. Kalckar's major recent studies have been in the field of biochemical genetics. He has demonstrated the specific hereditary defect in congenital galactosemia, a defect in one of the uridyl tranferases. His studies of comparable metabolic blocks in bacterial mutants,

including transduction of transferase, open new vistas in biochemical genetics.

The important policy decision made by the Trustees in 1959 to establish tenure positions for outstanding investigators within the Hospital, was implemented by the establishment of an Advisory Committee on Senior Research Appointments. This Committee, in regular semi-monthly meetings, has considered the various implications of this policy for the future of the Hospital and has surveyed a number of potential candidates for such positions. It has recommended that two current members of the staff be considered, each by an *ad hoc* Committee, for a tenure post.

One of the most important events of the year in regard to the future of research in the Hospital has been the establishment by the National Institutes of Health of two new grant programs. One of these provides for grants for research and training centers in any of the various disease categories represented at the National Institutes. These "Centers" would be supported by budgets essentially guaranteed over a substantial number of years. An eligible institution, such as the Massachusetts General Hospital, may apply for a number of these in different areas. The other new grant program provides for an Institutional Grant for Research of considerable size, to be distributed to eligible institutions on the basis of their current research budgets. This fund would be relatively secure and unrestricted. These two types of grants would provide a significant increase in the stable funds potentially available for research and at the same time transfer a considerable portion of the responsibility of the administration of these funds from the National Institutes of Health to the recipient institution. The wise use of these new opportunities to promote the ordered growth of the Hospital will constitute a challenge which the Research Committee and a special Subcommittee appointed specifically for this purpose are attempting to meet.

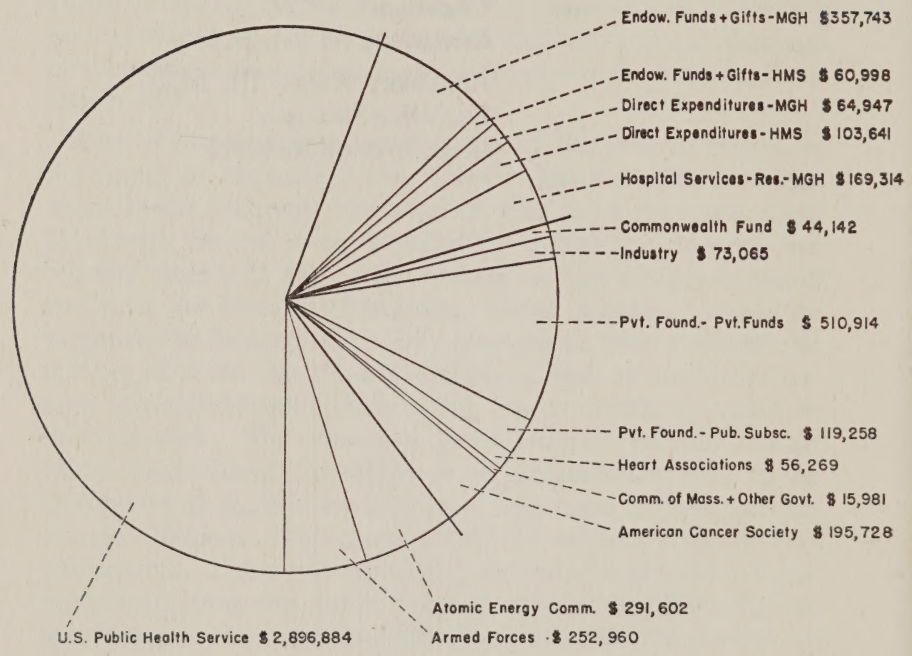
An initial "Center" grant application, one for a Cancer Research and Training Center, has been formulated, approved by the Commitee on Research and by the Trustees, and forwarded to the National Institutes of Health. This application was developed only after several months of discussion and consulta-

tion among interested groups within the Hospital and within the Executive Committee of the Committee on Research. One of the major advantages to the Hospital of this grant would be its support of clinical research of a type now covered by the Hospital's General Funds. It is probably only the forerunner of many similar endeavors in this complex and rapidly changing part of the Hospital's work.

WILLIAM H. SWEET, M.D., D.Sc.
Chairman
Committee on Research

ADELBERT AMES, III, M.D.
Executive Secretary
Committee on Research

TOTAL RESEARCH EXPENDITURES - 1960 - $ 5,213,446


Endow. Funds + Gifts - MGH $357,743
Endow. Funds + Gifts - HMS $ 60,998
Direct Expenditures - MGH $ 64,947
Direct Expenditures - HMS $ 103,641
Hospital Services - Res. - MGH $ 169,314
Commonwealth Fund $ 44,142
Industry $ 73,065
Pvt. Found. - Pvt. Funds $ 510,914
Pvt. Found. - Pub. Subsc. $ 119,258
Heart Associations $ 56,269
Comm. of Mass. + Other Govt. $ 15,981
American Cancer Society $ 195,728
Atomic Energy Comm. $ 291,602
Armed Forces $ 252,960
U.S. Public Health Service $ 2,896,884

Report of the Vincent Memorial Hospital

SEPTEMBER 30, 1960 marked the end of another busy and successful year at the Vincent Memorial Hospital. Our able Staff and devoted Board of Managers continue to provide the best in medical care and comfort for our patients. The reports of Dr. Ulfelder and Mrs. Lewis which follow provide a record of accomplishments throughout the year.

For the third year in succession The Vincent Club's gift to the Hospital was the magnificent sum of $45,000. It is impossible to express adequately our gratitude for this gift and our appreciation of the enormous amount of work done by the members of the Club which made this possible. Through The Vincent Club the Hospital also received from an anonymous donor a generous and most welcome gift of $10,000 for unrestricted use.

It is also my pleasure to report that the Joe Vincent Meigs Professorship Fund now totals $435,000; $100,000 more than a year ago. We are nearing our goal of $500,000 and again wish to express our gratitude to the many contributors who have been so generous.

During the coming year the M.G.H. is to complete the 7th floor and add an additional floor to the Vincent-Burnham Building. This will necessitate a third elevator which will be installed without cost to the Vincent Hospital. Our association with the M.G.H. continues to be a happy and fruitful one and we extend our congratulations on the celebration of its 150th Anniversary.

CHARLES F. HOVEY, *Chairman*
Board of Trustees
Vincent Memorial Hospital

VINCENT MEMORIAL HOSPITAL

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Dean A. Clark, M.D., *Director*
Howard Ulfelder, M.D., *Chief of Staff*
Joe Vincent Meigs, M.D., *Consulting Visiting Gynecologist*

Richard R. Curtin, M.D.
Maurice Fremont-Smith, M.D.
Thomas H. Green, Jr., M.D.
Ward I. Gregg, M.D.
Francis M. Ingersoll, M.D.
Janet W. McArthur, M.D.
William V. McDermott, Jr., M.D.
George S. Richardson, M.D.

Miss Mary E. Quinlan, *Assistant Director in Charge of Nursing*
Mrs. Marilyn Prouty, *Nursing Service Supervisor*
Research Associate in the Vincent Memorial Hospital Laboratory and Medical Foundation Research Fellow
Albert F. Parlow, Ph.D.

Vincent Memorial Hospital

IT IS my pleasure to inform the Trustees that throughout the past year the Vincent Memorial Hospital has maintained its high level of activity in all departments. There were 640 admissions to the Service floor and 790 to the Private floor of the Hospital. Visits totaling 3,496 were made to the Ambulatory Clinic, including 135 new patients and 235 from the Staff. Malignant disease again was the greatest single cause for admission and treatment of patients on the Service floor.

All members of the Visiting Staff were active throughout the year. There were no changes in Staff and their duties in the Teaching Program were ably discharged. Their contribution to the specialty at large again includes a number of publications and participation in the program of local and national meetings. These activities, together with the formal postgraduate course in September, have kept your Staff and your Hospital continuously abreast of all pertinent scientific and professional information.

Dr. Joe V. Meigs participated in the celebration held on the occasion of the opening of a new building by the Royal College of Obstetrics and Gynecology of which he is an honorary member. During the Meeting in London in July he conveyed the official greetings of the American College of Surgeons and presented a gavel of wood made from the table of Dr. Franklin Martin, founder of the College. He presented also a first day of issue commemorative stamp and cover and a photograph of the house and apothecary shop of Ephraim McDowell, "the father of abdominal surgery" in this country.

Two Staff members have been promoted on the Faculty of the Harvard Medical School; Dr. Janet W. McArthur is now Assistant Clinical Professor of Medicine and Dr. Thomas H. Green, Jr., is now Clinical Associate in Gynecology.

The register shows 24 foreign visitors during the year and four distinguished lecturers: Dr. Borth of Geneva discussed Human Gonadotrophin sponsored jointly by our department and the Huntington Laboratories; Dr. Knaus of Vienna presented a

Richardson Lecture on Genital Tuberculosis; Dr. Lorraine of Edinburgh described Pituitary Gonadotrophin Assays sponsored by us and the Endocrine Unit of the Massachusetts General Hospital; Dr. Zondek of Jerusalem presented a Richardson Lecture in his field of special research.

During the past year Dr. Janet McArthur has continued her collaborative studies with the Protein Foundation on plasma and human pituitary gonadotrophins looking toward the preparation of pure materials for clinical use. Her laboratory, however, has been chiefly engaged in preparations to study hormone levels during the human menstrual cycle by the quantitative techniques recently made possible by comparison with standard products provided by the National Institutes of Health and the World Health Organization. Modifications which are being made in the biological assay procedures will permit successful change from animal units to absolute units. Dr. George S. Richardson continues his studies on hormone synthesis by the ovary, extending them to rat as well as human material. Other compounds, such as progesterone, are being used in this research in addition to testosterone. Most of the products produced by the ovary under these conditions remain unidentified and elucidation of this area is the main objective of the work at present. Dr. Parlow is extending his studies on the regulation of secretion of two gonadotrophic hormones of the pituitary by measuring their concentration in normal rats and under a variety of other physiologic conditions. Also, he has devised a method of differentiating between gonadotrophic hormones whose action on first inspection might appear to be quite similar. Using his quantitative assay he has demonstrated different rates of disappearance of these substances after their injection into a test animal, this rate of disappearance always following a curve which is constant for each substance. His observation that the hormone LH can stimulate secretion of estrogen by the corpus luteum has been confirmed and this property is being developed as another method of assay.

In retrospect the year may be characterized as one of steady performance without major areas of unusual activity in any department, although in research the future pattern emerges as one of increased emphasis on precision and detail. The shape

of future clinical developments may perhaps be seen in the continued slow fall in numbers of patients receiving treatment in the non-private units, both hospital and ambulatory. The impact of this trend will be felt financially unless reassignment of space can keep pace and will certainly be felt in the teaching areas unless training programs are modified appropriately.

HOWARD ULFELDER, M.D.
Chief of Staff
Vincent Memorial Hospital

Report of the Board of Managers
Vincent Memorial Hospital

THE members of the Board of Managers faithfully continue to serve the patients and the Hospital. Our monthly visitors report to the Board, and these reports in addition to those from Dr. Ulfelder and Miss Quinlan keep us in close touch with the daily activities of the Hospital. We all enjoy our social events: a morning coffee for the Head Nurses and Supervisors last April, our birthday party for all Vincent Hospital personnel in the fall, and our coffee party for the doctors attending the Harvard Medical School Postgraduate Course in Gynecology in September. These affairs are stimulating and among the most rewarding of our activities.

At our February meeting we welcomed Mrs. Keating, Head Nurse in the Out-patient Gynecological Clinic. She spoke with enthusiasm of the colored gowns provided by the Board. It was voted to buy some more.

Mrs. Patterson and Mrs. Rice continued to represent our Board on the Massachusetts General Hospital Coordinating Committee, and Miss Bartol and Mrs. Ulfelder on the Volunteer Advisory Committee. Mrs. Gray attended the monthly meetings of the Massachusetts Hospital Association Public Relations Section, and either I or some other member of the Board attended the meetings of the Greater Boston Auxiliaries. Miss Quinlan was a member of the Planning Committee of the Regional Conference of Obstetricians, Gynecologists and Nurses for the Atlantic States and Canada held in Boston last May.

Our Decorating Committee headed by Mrs. Allen is constantly on the alert for ways to improve the appearance of the Hospital. Mrs. Cox, a member of the Committee, has most generously provided new curtains and chair coverings for the second floor solarium. The Board also donated $25.00 to the Art Wagon which gives such pleasure to our patients and visitors and variety and interest to our walls.

As always we maintain a close and happy relationship with

The Vincent Club. Last year it was closer than ever when two members of our Board, Mrs. Henry McB. Parker and Miss Dorothy Rackemann were the authors of the highly successful Show based on the life of Mary Ann Vincent. Provisional Members of the Club were welcomed again at the Hospital and taken on tour by Mrs. Gray, Miss Minot, Mrs. Henry McB. Parker and Miss Dorothy Rackemann. They were particularly interested in the activities of the Laboratory.

We announce with deep regret the resignation in September of Mrs. Edmund Rice, a member of the Board for thirteen years. We welcome as new members Mrs. Henry C. Everett, Jr., Mrs. Edwin T. Green and Mrs. James M. Parker.

MURIEL G. S. LEWIS
President, Board of Managers
Vincent Memorial Hospital

Annual Report of the Department of Pathology

A DEPARTMENT head is always pleased when professors from foreign universities are sufficiently interested in the work of his laboratory to pay a visit for a few days or even weeks. During 1960, we were happy to welcome a number of distinguished visitors: from England, Dr. Lynne Reid of the Brompton Hospital in London and Prof. J. B. Duguid of Durham University; from India, Prof. D. B. Reddy of Anhydra Medical College and Prof. V. Ramalingaswami of New Delhi; from Australia, Prof. F. R. Magarey of the University of Sydney and Prof. D. Wilhelm of the University of South Wales; from South Africa, Dr. Ian Webster of Johannesburg; from Germany, Prof. H. Meesen of Dusseldorf and Prof. W. J. Masshof of West Berlin, and from Scandinavia, Prof. N. Ringertz of Stockholm and Prof. O. Jarvi of Turku, Finland. Many of these visitors gave lectures and held seminars not only for the members of the Pathology Department but for the hospital staff as a whole. In addition, as has been the custom for the past few years, we were privileged to have two visiting pathologists *pro-tempore*: Dr. Edward A. Gall, an alumnus of our laboratory and now Professor of Pathology at the University of Cincinnati, and Dr. Alan C. Lendrum, Professor of Pathology at Queen's College of the University of Aberdeen, Dundee, Scotland. Both Dr. Gall and Dr. Lendrum gave lectures, conducted conferences and spent many hours in discussion with our resident staff.

Also along international lines, Dr. Spiro and Dr. Castleman presented papers at a meeting in London of the International Academy of Pathology, of which Dr. Castleman is President-Elect. Subsequently, Dr. Castleman showed a film entitled "Dynamic Pathology of the Aortic Valve" at the International Congress of Clinical Pathology in Madrid and lectured and conducted seminars in Israel. This interesting film of valvular action which was prepared by Dr. Richard Kelley during his year's stay in the Laboratory as a Post Sophomore Fellow of the U.S. Public Health Service, has also been shown in Germany,

Austria and Israel. It was selected as a United States entrant to the Prague Film Festival in Czechoslovakia and more recently for the Film Exposition of the American Society for the Advancement of Science. Dr. Scully presented a course on ovarian and testicular tumors at the Eleventh National Congress of Medicine of Guatemala in Guatemala City in November and participated in a symposium of uterine bleeding at the National Medical Congress of El Salvador in San Salvador in December. A final international news note is the arrival in October of two Thai doctors from Bangkok. Dr. Tinrat Stitnimankarn, Assistant Professor of Pathology at the Siriraj Medical School, is working with Dr. E. B. Taft, and Dr. Preecha Lojananond, obstetrician and gynecologist on the staff of the Leri Sinn Hospital, is studying exfoliative cytology with Dr. P. D. Taft.

Our research program was strengthened this year by the addition of a Siemens electron microscope. This second electron microscope, which has been installed in the Edwin C. Webster Laboratory in the basement of the Warren Building, will enable the training of more of our Resident Staff and Fellows in the use of this new and important tool. Dr. Spiro, who has been in charge of electron microscopy, will be leaving the laboratory at the end of 1960 to become Associate Professor of Pathology at Columbia University. Dr. James B. Caulfield, who succeeds him, will have the assistance of a strong nucleus of men who were trained by Dr. Spiro, namely Dr. Harry de F. Webster, Dr. Richard Collins, Dr. Martin H. Flax and Dr. H. Robert Dudley. Dr. Richard B. Stenger, whom he also trained, left the Laboratory in September to accept a position as Assistant Professor of Pathology at the University of Cincinnati and is developing an electron microscopy unit there.

Dr. Morgan has returned to the Department after spending two years as a Research Fellow of the U. S. National Cancer Institute at the Wenner-Grens Institute, University of Stockholm, Sweden, where he worked with Dr. Tore Hultin in the Department of Cell Physiology and carried out biochemical studies in the field of protein metabolism. Dr. Morgan plans to analyze certain variations from the normal, as revealed by chromatographic study, of the soluble fraction of liver cells of animals under experimentally produced pathologic condi-

tions. Dr. Thurlbeck has undertaken three main lines of research in the study of pulmonary emphysema: a combined clinical, pathological and epidemiological study; a study of naturally occurring "heaves" in horses; and the anatomical response of the guinea pig to inhaled nitric acid, cadmium chloride, sulfur dioxide and nitrogen dioxide. Dr. Dudley has finished his follow-up studies of cases of fibrous dysplasia of bone and of cases of sarcoma complicating Paget's disease of bone. Similar studies of giant-cell tumors and of osteogenic sarcomas have been begun. Working with Dr. Spiro, Dr. Dudley prepared electron micrographs of normal bone that have proved extremely helpful in the understanding of bone formation. He is continuing his electron microscopic studies of various types of abnormal bone. Dr. E. B. Taft has continued his histologically controlled microbiochemical studies of autolysis, liver disease and human tumors. He presented some of his data on autolysis at the Paris meetings of the International Society of Cell Biology in September. In the radioisotope laboratory, Dr. Vickery is correlating tissue autoradiographic and I^{131} assay data on thyroid tumors and nodules with clinical and laboratory studies. The latter include histochemical procedures in collaboration with Dr. R. B. Cohen, who continues to devise new histochemical methods to help in our understanding of the intermediary metabolism of disease processes. Dr. Scully has proceeded further with his pathological studies of ovarian and testicular tumors and is collaborating with Dr. Cohen on a histochemical study of the oxidative enzymes of the ovary.

Because of the current increasing interest in genetics, Dr. Atkins is being bombarded with requests to study the chromosome patterns of patients with congenital abnormalities, leukemia and other diseases. Our association with the state mental institutions at Wrentham and Taunton has provided him with a wealth of material. He has just completed the study of an infant with multiple congenital anomalies associated with trisomy of an acrocentric chromosome; there is only one other such case reported. It is hoped that further examination of such chromosomal abnormalities may lead to a better understanding of the effect of specific chromosomes upon the human phenotype.

The neuropathology division under Dr. Richardson is providing a fundamental part of the training of future teachers and investigators in neurology. The research activities are chiefly centered around problems in cerebrovascular disease, demyelinative disease, neuronal abiotrophies, mental retardation and viral encephalidites. In addition, a project has recently been begun by Dr. Konigsmark and Dr. Cohen in the study of the anatomy and histochemistry of the myoneural junction in myasthenia gravis.

The public awareness of the value of the routine yearly physical examination has increased the number of vaginal smears submitted to our cytology division. Dr. P. D. Taft, who is in charge of this laboratory, has just completed a comparison of the cell block, Papanicolaou and millipore filter technics for the cytologic examination of serous fluids. This work was performed in collaboration with Dr. J. M. Arizaga-Cruz of Guadalajara, Mexico, who spent a year in the laboratory under an American Cancer Society fellowship.

The Case Records, an integral part of the laboratory activities, continue to be popular, as evidenced by the reception to a recent publication of a volume of 50 medical cases selected from those published during the past twenty-five years. This book, entitled "Clinicopathological Conferences of the Massachusetts General Hospital" and edited by Dr. Castleman and Dr. Dudley is dedicated to Richard C. Cabot and Tracy B. Mallory, pioneers in the development of the C.P.C. All royalties will be deposited in the Tracy B. Mallory Memorial Library Fund.

The statistics of the diagnostic examinations are as follows:

	1959			*1960*		
	MGH	*Outside*	*Total*	*MGH*	*Outside*	*Total*
Autopsies performed	761	236	997	874	173	1,047
Autopsy percentage	69%			64.4%		
Surgical specimens	10,002	2,225	12,227	11,362	1,142	12,504
Microscopic preparations			66,698			67,325
Cytological specimens			10,056			12,440

BENJAMIN CASTLEMAN, M.D.
Chief
Department of Pathology

Annual Report of the John Collins Warren Laboratories of the Huntington Memorial Hospital of Harvard University

CANCER research has been a sub-discipline of biology for nearly 50 years, and the origin of these Laboratories is interwoven with this early history. It was recognized in the opening years of the twentieth century by Dr. John Collins Warren, Director of the Harvard Cancer Commission, that progress toward an understanding of the cancer process would be favored by a joining in this quest of the disciplines of pathology, genetics, physics, and chemistry. In the laboratories of the newly created Huntington Memorial Hospital, inbred strains of mice with high and low incidences of cancer were developed by Dr. Ernest Tyzzer and his young associate Dr. Clarence C. Little. Early application of radium emanation and of x-rays to the treatment of human cancer was made by Professor William Duane of Harvard and Huntington staff, a former student of the Curies. Careful studies of leukemia and other diseases of the blood were undertaken, culminating in 1926 in the successful treatment of pernicious anemia by Dr. George Minot, Physician to the Huntington Hospital, and his associate Dr. William P. Murphy.

In subsequent years the epicenter of investigative efforts shifted, as knowledge of the metabolism of the cell increased. The observations of Otto Warburg of Berlin in 1926 on the peculiarly great ability of cancer cells to break down glucose in the presence of air opened a new area of inquiry. The identification by Kennaway and associates in England of 3,4-benzpyrene from coal tar as a potent cancer producing chemical brought the initial step in the induction of tumors in mice down to a precise molecular level.

During recent years, several lines of biochemical and genetic

investigation have converged to highlight the importance of nucleic acids in the production of cancer. It has become clear that many malignant tumors in mice are virus induced, that the viral agents are rich in nucleic acids, and probably act by substituting in part for the nucleic acids of the host cells. Careful squash preparations of cells have recently revealed a high frequency of chromosomal aberrations in tumor cells. Finally, it has become possible in bacterial and virus systems to produce mutations by means of analogues of the purine and pyrimidine components of nucleic acids. Coincident with these developments of particular importance to carcinogenesis has been the uncovering of exciting information on the mechanism of synthesis of the deoxyribonucleic acid of the cell gene, the synthesis of the ribonucleic acid of the cytoplasm of the cell, and the mechanism of synthesis of protein. A blueprint, although incomplete and foggy in detail, has become available for pursuit of the pathway from gene to finished enzyme. A comparison of the machinery in the well regulated normal cell with that in the poorly regulated neoplastic cell thus becomes more meaningful. Our laboratories have thus been concerned both with uncovering the framework of the growth machine in the normal cell and in looking for deviations in tumor cells.

It is perhaps of interest to describe in more detail why the work of the group studying protein synthesis now centers around a certain molecular species of ribonucleic acid, the importance of which they discovered a few years ago. It appears that such soluble, or transfer RNA functions as a carrier of amino acids, once activated, to microsomal particles, where perhaps a hundred and fifty such amino acids are joined linearly by peptide bonding into the finished protein molecule. Each of the twenty-odd individual amino acids is carried only by a certain type of transfer RNA molecule, for it seems likely that an amino acid will be accepted by the microsomal particle for a certain position in the growing protein molecule only if it is attached to an RNA molecule containing a specific nucleotide sequence which is complementary to the nucleotide sequence in the appropriate area of the microsomal particle. While it has seemed reasonable that the specific sequence of nucleotides in the chromosomes of a cell might direct the sequence of nucleo-

tides in the cytoplasmic microsomal particles, it has hitherto been unclear as to how such a nucleotide sequence might be translated into an amino acid sequence for the formation of a specific protein. Knowledge of the structure and function of the transfer RNA molecule specific for each amino acid may well decipher this relation, and the group of workers here is concentrating its efforts in this direction.

Past work in this and other laboratories has indicated that the amino acid is bound to the terminal ribose group of the transfer RNA molecule, and in a fashion which prevents oxidation of the ribose by added periodate. Utilizing this feature of the transfer RNA — amino acid molecule, Drs. Mary Stephenson, Zamecnik and Scott have achieved a partial separation of valine-RNA from the other soluble RNA molecules. There is reason to believe that the twelve-fold enhancement of specific activity so far obtained indicates that about 25-50 per cent of the purified preparation is valine-RNA. The method has been applied also to leucine-RNA, and should be generally useful. Soluble RNA previously stripped of all amino acids is labeled enzymatically with a single amino acid, C^{14}-L-valine. An ester is formed between the amino acid and the 3′ or 2′ hydroxyl group of the terminal ribose of presumably only those RNA molecules specified for valine. The terminal cis-hydroxyl groups on RNA molecules containing no amino acid are then oxidized to the dialdehyde by periodate, whereas amino acid-RNA is resistant to such oxidation. 2-Hydroxy-3-naphthoic acid hydrazide is added to form a hydrazone with the available aldehyde groups; and the latter are coupled with tetrazotized o-dianisidine to form a blue dye bound to the RNA. This dye-bound RNA may now be separated from the amino acid-RNA by the use of phosphate-propanol. The dye-RNA precipitates completely from 2.25 M potassium phosphate buffer at pH 7.5 when small amounts of n-propanol are added, while RNA free of dye remains in solution.

Dr. Chuan-Tao Yu has also exploited the periodate oxidation of the terminal ribose of transfer RNA to develop a method of promise for the determination of nucleotide sequences. He found that if periodate is followed with cyclohexylamine, the oxidized ribose (with its base) is released to uncover the next

nucleotide in from the end of the molecule. And after this is dephosphorylated enzymatically, it also can be oxidized and released. And so forth, until — if time and enthusiasm permitted — the entire nucleotide sequence of a transfer RNA molecule could be determined, a glittering prospect indeed.

Drs. Jesse Scott and Mahlon Hoagland, employing Ehrlich ascites tumor cells in which they have found RNA to be more stable than in non-malignant cells, have been interested in whether the terminal nucleotide is released as well as its attached amino acid, upon reaching the microsomal particle. Their studies indicate that it is not, i.e., that transfer RNA probably remains intact and presumably may, after discharging an amino acid at the proper site on the microsomal template, then accept and carry another amino acid molecule. Dr. Scott has also studied the effect of ultraviolet light on transfer RNA. Here he found that a single hit anywhere in the molecules destroys its ability to accept an amino acid. This finding indicates that more than just a segment of the total nucleotide sequence is essential for the function of the molecule.

Other members of this group have been concerned with other aspects of protein synthesis. Dr. Marvin Lamborg has delineated the necessary components for protein synthesis by extracts from certain bacteria, and has found little difference from the mammalian systems previously described by this group. Such work helps to clarify recent confusion as to protein synthesis in bacteria, and once more indicates the universality of enzymatic mechanisms throughout nature. Dr. David Allen is investigating the abnormal hemoglobin synthesis of patients with thalassemia. By combining enzymes from the red blood cells of such patients with normal microsomal particles from rabbit blood cells, and vice versa, he hopes to pinpoint the defect.

Dr. Robert Loftfield is continuing to determine the enzymatic constants for several amino acid activating enzymes isolated from several sources such as bacteria, sea urchins, clams, mammals, etc. The overall purpose is to determine the extent to which an individual enzyme can distinguish between closely related amino acids such as valine and isoleucine. It is hoped that such determinations will cast light on the mechanism by

which the precise sequence of amino acids in protein is maintained.

In our other major area of research, the endocrine division under Dr. Lewis Engel, there has been a continued trend away from the study of steroid metabolism and action as measured by urinary excretion patterns and more toward basic biochemical and biophysical approaches. Thus Dr. Irving Weliky has had the opportunity of studying two human adrenal cortical tumors, one of which led to the development of Cushing's syndrome in a five-year-old girl, and the other producing virilization in a fifteen-month-old boy. Utilizing a double isotope technique in which the tissue is incubated simultaneously with progesterone-4-C^{14} and 17-hydroxypregnenolone-y-H^3, he has discovered a suspected but hitherto unproven pathway for the formation of cortisol. In the conventional pathway it is postulated that pregnenolone is converted on the one hand to 17-hydroxypregnenolone and dehydroepiandrosterone, and on the other to progesterone, which in turn is transformed to 17-hydroxyprogesterone and thence to the corticoids or to the androgens and estrogens. Dr. Weliky's data demonstrate that 17-hydroxypregnenolone may also serve as a precursor of cortisol, this transformation taking place via 17-hydroxyprogesterone. These findings raise some interesting possibilities with regard to metabolic regulation, since the reactions leading from pregnenolone to progesterone and from 17-hydroxypregnenolone to 17-hydroxyprogesterone require diphosphopyridine nucleotide, while the transformation of pregnenolone to ly-hydroxypregnenolone and progesterone to 17-hydroxyprogesterone require reduced triphosphopyridine nucleotide. Thus it would appear that the relative concentrations of oxidized and reduced di- and triphosphopyridine nucleotides could play some role in the regulation of this biosynthetic scheme and in the channeling of substrate to one pathway or the other.

A long-term interest of this laboratory has been in enzyme systems which are involved in the metabolism of the steroidal estrogens. An unsuccessful attempt was made to isolate an estradiol-17 dehydrogenase by enrichment culture of soil microorganisms. Recently, however, Dr. Weiert Velle, who is visiting from the University of Oslo, has discovered an active enzyme

system in sheep liver which interconverts estradiol-17 and estrone. The characterization of this enzyme and its substrate specificity will provide an interesting complement to earlier work of this laboratory on the characterization of estradiol-17 dehydrogenase.

Finally, a newer line of investigation concerns the study of the chemical reactivity of steroid hormones as influenced by the presence of groups on the molecule which are far removed from its reaction site. It was found in Dr. Engel's laboratory that there was a ten-fold difference between the fastest and slowest reaction rate when twelve different testosterone derivatives were reacted non-enzymatically with thiosemicarbazide. It will be of considerable interest to determine if groups distant from the reaction site similarly affect the *enzymatic* reactivity of various steroids.

This year we are pleased to be joined by Drs. Roger and Veronica King from Edinburgh, Dr. Caesar Briefer, Jr., from the Medical Services of the M.G.H., Dr. Charles E. Huggins, Jr., and Dr. John F. Burke from the Surgical Services of the M.G.H., in addition to Dr. David W. Allen (Thorndike Laboratory of the Boston City Hospital), and Dr. Weiert M. Velle (University of Oslo) as mentioned above. With pride but also with sadness, we are pleased for Drs. Mahlon B. Hoagland and Paul S. Russell, Jr., who have left the laboratory to become Associate Professors of Bacteriology at Harvard Medical School and Surgery at Columbia, respectively.

We conclude this summary of investigation of the present year with an expression of gratitude for the generous support these Laboratories enjoy — to Harvard University for its long-standing firm financial base, to the Massachusetts General Hospital for fine facilities, to the U.S. Public Health Service, the American Cancer Society, the U.S. Atomic Energy Commission, and to many private supporters for continued faith in our efforts.

PAUL C. ZAMECNIK, M.D.
Director

Report of the Coordinating Committee

THE reports of the member groups of the Coordinating Committee appear below for the Ladies' Visiting Committee of the Massachusetts General Hospital; the M.G.H. Staff Wives Association and the Distaff Club. Elsewhere in the Annual Report will be found the report of the Board of Managers of the Vincent Memorial Hospital, also a member group of the Coordinating Committee.

MRS. CHARLES ALMY, CHAIRMAN, PRESENTS THE FOLLOWING REPORT FOR THE LADIES' VISITING COMMITTEE:

The annual report for the Ladies' Visiting Committee from October to October has a tendency to be repetitious because the Committee carries on doing much the same things every year.

In October 1959 we started a new decade. Several members participated in Old Timers' night, celebrated for those who had served the Hospital for twenty years or more. The Ladies' Visiting Committee was happy to provide the souvenir matches with a Dahl cartoon on the cover for the occasion. A magnificent floral display received in honor of the ninetieth birthday from the Ladies' Visiting Committee of the Massachusetts Eye and Ear Infirmary did triple duty; after lunch it adorned the Moseley Rotunda for the Service Pin Ceremony and then the Cafeteria for the Old Timers' Party.

Perhaps this is the time to take stock and consider the areas in the Hospital where the Committee has concentrated its efforts.

The Committee has given radios and televisions for the patients on the wards. Now that most of the old sets are worn out, we began to make inquiries about what other hospitals are doing in this field. It was the conclusion of the survey that a rental system could be worked out in such a way that the profit from the sets rented to private patients could be used for free T.V. on the wards. With this system in mind, we decided not to buy any more sets, but to use outside rental as a temporary arrangement. Toward the end of the summer the Hospital decided to purchase their own sets and then agreed

to use some of that profit for sets on the wards, providing the Head Nurse had first approved the request. This is a vast improvement on the old system and we hope that it will work out to the satisfaction of all. This type of recreation is very helpful for Staff as well as patients.

A small committee was appointed to discuss the improvement of public relations between the patient and the Blood Bank. Patients and their families are very often completely unaware of their responsibility in procuring blood if surgery is anticipated. Doctors often fail to point out the importance of having blood available before surgery. Patients do not realize the phenomenal increase in the units of blood used every year. There is still more work to be done by this small group before next year.

A Coffee Shop Committee composed of members of the Ladies' Visiting Committee and the Staff Wives has been at work all year. First a survey was made of local and New York hospitals of comparable size, then a search for a practical place for it to be located, finally preliminary plans drawn by the architects. The subject is now being studied by the Projects Committee of the Trustees. It is a very costly installation, but the general consensus is that the profits from this much needed Coffee Shop will make the investment worth while. Perhaps next year's report will show more definite progress.

Two wards in White and one in Bulfinch were visited twice a week all winter. Special attention was given to patients who came from a distance.

The five radios owned by the Committee were in constant use all summer and the T.V. on the solarium on White 7 was a huge success.

The Baker Hospitality Committee continued serving coffee all winter and lemonade in the summer. The Hostess also visited with the new patients and assisted in escorting patients to their rooms. One Volunteer deserves special kudos as she trudged from Beacon Hill to be present in Baker at twelve o'clock the day of the March blizzard.

The Christmas Committee began its plans early in November, and thanks to the detailed notebook of last year's chairman, schedules and suggestions were right at hand. There were six

different groups of carolers. Mrs. Helen Cushing, who retired last year, was invited to come back to play the portable organ for the Carols in the White Lobby.

There were twenty-five patients in Burnham. The party was planned by the Burnham Recreation Department and held on the afternoon of the day before Christmas. Only patients and Staff were present when Santa arrived to make it less confusing for the children.

The Lobbies of the White, Baker, Phillips House and Warren Buildings were decorated by the Plant Committee. The results were charming and many thanks go to Hospital Maintenance Department for help in hanging the greens.

Mrs. Warton and her assistants in the General Store continue doing a tremendous business in items needed by patients, as well as greeting cards, magazines, candy, cigarettes and a few frills. The largest part of our income is derived from the profits of the General Store. This is made possible by patients, Staff, employees, and visitors.

The 1960 financial report of The General Store, which is operated by the Ladies' Visiting Committee for the benefit of the Hospital, is as follows:

Balance on hand December 28, 1959		$10,792.23
Cash Receipts		81,243.79
Total		$92,036.02
Expenses:		
Salaries	$ 9,389.80	
Stock Purchased	60,120.69	
Utilities Charge	187.30	
Miscellaneous (Includes Excise Taxes)	367.29	
Total Expenses		70,065.08
		$21,970.94
Paid to Ladies' Visiting Committee from earnings		6,000.00
Balance on hand December 28, 1960		$15,970.94

SUMMARY

Receipts	$81,243.79	
Expenses	70,065.08	
Cash Gain	$11,178.71	
Increase in Inventory	421.00	
Gain for 1960	$11,599.71	
Value of Inventory December 28, 1960		$ 3,573.00

The Store Cart is of utmost value as a personal service to the patient; so much so that the Committee felt justified in having a paid worker in the summer.

Because of a curtailed budget and the continuing problem of the Chapel's being overheated in the winter months, this year the Chapel Committee made increasing use of artificial flowers and greens on the altar. With the difficulty of supervising fresh flowers this treatment of the altar offers a practical and attractive solution.

The Furnishings Committee put curtains and venetian blinds in the office of the Chief of the Medical Clinic and in the Social Service Clinic, the Alcoholic Clinic and the Dental Clinic.

Although the Occupational Therapy Department was inactive most of this year while in the process of reorganization, we gave to the Department a standard typewriter, a kiln, and a steam iron for use on Bulfinch 7 and 8.

The Warren Library was given five subscriptions to *The National Geographic, Holiday, The Readers Digest* and *Good Housekeeping* for the Library Cart, playing cards and a cribbage board. Other gifts this year were four radios for the Children's wards in Burnham, one radio for Bulfinch 7, and one television for White 7.

The Ladies' Visiting Committee was notified of a legacy of five hundred dollars left by Miss Elizabeth Tilton, a former member of the Committee.

A morning coffee was held on May 9 to stimulate interest in the 150th Anniversary Celebration.

The Ladies' Visiting Committee was represented at all meet-

ings of the Coordinating Committee, the Advisory Committee to the Volunteer Department, and the Social Service Advisory Committee. These meetings make it possible to keep abreast of the happenings in other areas of the Hospital.

We were represented at the meetings of the New England Hospital Assembly, Massachusetts Hospital Association Auxiliaries, Boston Regional Group of Hospital Auxiliaries, and the American Hospital Association Auxiliaries in San Francisco. These meetings are very valuable in evaluating our own place in this vast hospital world.

The Report of the Treasurer, Miss Anna P. Revere, appears on the following page.

Ladies' Visiting Committee
Report of the Treasurer
1959 - 1960

Balance on hand
October 1, 1959

FUNDS		*Receipts*	
Mabel Hovey Harris Fund	$ 187.84	$ 374.28	
Sarah Proctor Joslin Fund	52.35	98.88	
Marion Lee Lawrence Fund	1,397.99	1,102.50	
Annie Norton Ward Fund	7.48	98.88	
Katharyn Hoyt Watson Fund	41.34	98.88	
General Store Fund	861.92	18,569.71*	
Travelli Rare Drug Fund	500.00	2,000.00	
Miscellaneous		176.00	
Total Receipts			$25,568.05

EXPENDITURES

Mabel Hovey Harris Fund		
Curtains, Out-patient Clinic	440.17	
Kiln, Bulfinch 7	86.35	
Sarah Proctor Joslin Fund		
4 Radios, Burnham Memorial	72.00	
Magazine Subscriptions, Warren Library	75.50	
Katharyn Hoyt Watson Fund		
Radio, Bulfinch 8	16.50	
Typewriter, Steam Iron, Bulfinch 7	70.37	
Magazine Subscriptions, Warren Library	52.00	
Marion Lee Lawrence Fund		
Lawrence Room Expense	16.50	
Annie Norton Ward Fund		
Magazine Subscriptions, Warren Library	100.00	
General Store Fund		
M.G.H. 150th Anniversary Program	10,000.00	
Salaries	1,481.30	
Social Service Relief Fund	500.00	
Staff Wives Association	500.00	
Distaff Club	100.00	
Chairman Ward Visiting. Cigarettes Bulfinch 7 & 8	60.00	
Christmas Committee, L.V.C.	428.26	
Chapel Committee	100.22	
Plant Committee	200.00	
Burnham & Occupational Therapy Recreational Funds	68.01	
Baker Memorial Coffee Hour & Newspapers	339.84	
Radios and Televisions	296.07	
Office Expense	64.91	
Representative, American Hospital Association Meeting	72.50	
Provident Institution for Savings	4,000.00	
L.V.C. Luncheon, 90th Anniversary	337.39	
Miscellaneous	80.00	
Travelli Rare Drug Fund	1,500.00	
Total Expenditures		$21,057.89
Balance October 1, 1960		$ 4,510.16

*$10,000.00 Accumulated earned income.

MRS. VINCENT P. PERLO, PRESIDENT, PRESENTS THE FOLLOWING REPORT OF THE M.G.H. STAFF WIVES ASSOCIATION:

The activities of the M.G.H. Staff Wives Association demonstrated increasing enthusiasm within the group for its ever-expanding areas of interest during its eighth year (October 1959 to October 1960).

The Reception Center for Foreign Professional Visitors is the hub for hospitality and assistance to our guests from abroad. Volunteers working here numbered 46 during the year. The M.G.H. has the largest number of foreign visitors of any hospital in the Boston area. Last year there were 277 visitors from 53 countries listed in our files. Twenty-two visiting Americans signed our guest book. House Staff inquiries were directed to the Distaff Club. Our lines of contact with the departments where the foreign visitors are working have grown steadily, and referrals from the departments to our center were so efficient and effective that before their arrival in this country many visitors had already received our helpful pamphlet "Welcome to Boston and the M.G.H."

The work of the various subcommittees headed by a group of devoted and skilled "specialists" was very well organized. In many cases our earliest contact with a foreign doctor was made by the Housing Committee. Often several letters regarding housing requirements and preferences had been exchanged and living quarters arranged for before the visitor had even reached our shores. During the year 116 housing requests were filled. Having access to such a supply of used furniture as was offered by the Furniture Exchange was invaluable to many of the visiting families who then were able to select unfurnished housing rather than much higher priced furnished quarters. Families borrowing furniture last year numbered 35.

During the past season a small group of wives worked painstakingly on a Boston shopping guide for foreigners, and this pamphlet is now being given out at the Reception Center.

One of the fastest growing activities at the Center is the distribution of concert and theatre tickets donated by friends of the M.G.H. The 150 received last year were tremendously enjoyed by our foreign visitors. During the winter holidays all visitors who wished to participate were entertained in private

homes, and through the efforts of the Tea Committee hospitality was extended in Bartlett Hall at a very successful and well attended tea. The Annual Spring Picnic arranged by the Lincoln community wives and held at the Cannon's in Lincoln was a delightful day for the many families of visitors and House Staff who attended. In these several ways we have attempted to help our foreign friends have a more pleasant stay in this country.

The Music Committee recorded another successful year of much appreciated concerts for the patients. A group of 20 volunteers, including the Committee, helped transport patients to and from the Chapel for 15 concerts that were given from October to May. The cost of printing the programs was most generously met by an anonymous donor.

Another group of Staff Wives devoted their time last year to patient-related service through the Volunteer Department.

Members of our Association have been working closely with representatives of the Ladies' Visiting Committee on a Coffee Shop Planning Committee. Last year this group made specific recommendations regarding this much needed service after extensive study and visits to eight Boston and five New York hospitals. The subject is now being studied by the Projects Committee of the Trustees. Staff Wives worked together with Distaff Club in arranging a Spring Dinner Dance. We were well represented there with 71 couples from the Visiting Staff. Present also were 50 couples from the House Staff and 18 couples from the Administrative Staff. The possibility of a joint project combining the efforts of Staff Wives, Ladies' Visiting Committee, and Distaff Club in honor of the 150th Anniversary of the M.G.H. was discussed.

Two members of our group attended meetings of the M.G.H. Coordinating Committee and also participated in the monthly sessions of the Trustees' Advisory Committee to the Volunteer Department. Representatives of Staff Wives met with leaders of other hospital women's groups and exchanged ideas at the Massachusetts Hospital Association Meeting, the New England Hospital Assembly, the Greater Boston Regional Council of Hospital Auxiliaries meetings, and the American Hospital Association Meeting in San Francisco.

At our community coffee hours the enthusiastic response of our members who were unable to participate in activities centered at the Hospital revealed that though they were geographically widespread they had a feeling of closeness to the M.G.H. family.

MRS. HAROLD C. URSCHEL, JR., PRESIDENT, PRESENTS THE FOLLOWING REPORT FOR THE DISTAFF CLUB:

The report of the activities of the Distaff Club (composed of the wives of M.G.H. House Staff and Research Fellows and women doctors on the House Staff) covers the period from October 1, 1959 through September 30, 1960.

The main function of the Distaff Club is to help our members to know each other, the Hospital, and Boston. Meetings are held at least once a month in the Penthouse of the Hospital. Many thought provoking speakers are presented at these meetings. Mrs. Priscilla Dunn, child psychologist from F.A.O. Schwartz toy store, discussed and illustrated the importance of toys, especially enlightening one month before Christmas. The wives of the House Staff of the Boston City Hospital invited us to hear Dr. Florence C. Wislocki, Assistant to the President of Vassar College, examine "A Parent's Role in Education". Architect Thomas Payette from the School of Design at Harvard gave us his views on contemporary architecture. The Reverend Jack Mendelsohn of the Arlington, Massachusetts, Unitarian Church explored the provocative topic, "Science and Religion". Dr. Berry Brazelton commented on interesting new developments in the field of pediatrics. To begin this new year of the celebration of the 150th Anniversary of the Massachusetts General Hospital, the Distaff Club viewed the new color film about our Hospital entitled "A Watch in the Night", and heard an informative commentary by Mr. Francis W. Hatch, Co-Chairman of the 150th Anniversary celebration and member of the Board of Trustees of the Hospital. The Director of Volunteers, Miss Mary Ruth Wolf, presented us with an inspiring synopsis of the duties of the M.G.H. lady volunteers in cherry smocks.

Other social occasions included a Halloween Barn Dance, a combination arts and crafts game night, a lovely Christmas

punch party, a supper-fashion show, a musical evening at the charming home of Mrs. Soma Weiss, and a welcome tea in July for all newcomers. Dr. and Mrs. Bradford Cannon entertained our group at a summer family picnic outing. For the first time, the annual spring formal dance held with the M.G.H. Staff Wives Association included a dinner at the M.I.T. Faculty Club and was an enormous success.

A second purpose of the Club is to perform service projects to benefit the Hospital and the Club. A volunteer program under Miss Wolf's supervision was begun. Volunteer baby sitting by Club members on Thursday mornings contributed substantially to this worthy effort. The Distaff Club wrapped hundreds of presents for the children attending the M.G.H. Christmas Party. A bake sale fed our hungry treasury. A Book Review Club was instituted in response to the expressed interest of our members.

A Directory of names, addresses and telephone numbers of our members was published for the first time in book form. Three newsletters were sent to inform the group of Club and Hospital activities, and our Welcome booklet was sent to all new members. Area representatives helped to solidify geographically our large group (over 100 paid members) on a local, more cohesive level.

Last spring the following Officers were asked to assume responsibility for administering the activities of the Distaff Club as of June 1960. President, Mrs. Harold C. Urschel, Jr.; Vice President, Mrs. Willard M. Daggett; Corresponding Secretary, Mrs. Anthony S. Patton; Directory Secretary, Mrs. John T. Porvaznik, Jr.; and Treasurer, Mrs. Roman W. DeSanctis.

Report of the Advisory Council of The Massachusetts General Hospital School of Nursing

FOR the last two years the Advisory Council to the School of Nursing has studied the overall educational program of the School. This year the Council concentrated on the specific needs of the School as they relate to the 150th Anniversary Building Program, and our findings and recommendations have been sent to the Trustees of the Massachusetts General Hospital for their consideration. This study has been based not only upon the proposed expansion of the Hospital, but also upon the growth of population and increased need of hospital care, the change in patient care and teaching methods, and the continuing shortage of nurses.

Three facts have become apparent: first, the need of a separate building for the School of Nursing; second, the advisability of enlarging the enrollment of the School; and third, the probability of changing the curriculum.

The problems of teaching and space are not new. The offices of our 55 instructors and school administrators, the classrooms, and laboratories are scattered throughout eight different buildings. However, with the removal of Thayer and the Domestic Buildings to make way for the new Radiation Center and Surgical and Special Services Building, the majority of our teaching facilities will be eliminated.

Specifically, the replacement of Thayer would take away from the School 110 student nurse rooms, 16 teachers' and secretaries' offices, one conference teaching room (actually the only conference room) one diet laboratory, and one nursing laboratory with storage and dressing rooms.

Similarly, the removal of the Domestic Building would take from the School two science laboratories and two nursing laboratories as well as one nursing laboratory for affiliating student practical nurses all with dressing room space, and two well equipped science laboratories. This, coupled with the fact that

other departments such as nutrition, dietary, and social service need classrooms in the future, and with the past experience of many teaching rooms on the wards in the White Building being engulfed by other hospital service, points to the obvious need of a separate School of Nursing.

To repeat, the need to enlarge our enrollment is the natural outgrowth of the expansion of the M.G.H. program and increased needs of today. The School now has 402 students in the diploma program, 22 affiliating students from McLean and the New England Baptist Hospital, 15 students in the Coordinated Radcliffe-M.G.H. Program, and 24 Simmons College affiliating students, making a total of 463. If we are to meet the current need, we must not only enlarge our diploma program but also the degree programs, for it is from the latter category that future head nurses, supervisors, instructors, and administrators can be prepared most rapidly, and the present lack of these highly prepared personnel is alarming.

Changes and improvements in any educational program always are being made to fit the times, but it becomes increasingly apparent that somewhere between the diploma and the degree programs a modified plan must be found to enable the student to earn college credits during her courses in nursing instruction and enable her to go on to a degree in a minimum length of time. Toward this end a subcommittee from the Council consisting of Mrs. Van Courtlandt Elliott, Dean of Radcliffe College, Miss Sigrid Edge, Professor of Library Science at Simmons College, and Miss Sleeper has been exploring possibilities with Dean Wilfred S. Lake of Northeastern University.

Furthermore, the Advisory Council wishes to go on record as favoring the building of an apartment house for approximately 200 graduate nurses and for married interns and resident doctors. The present housing facilities at 20 Charles Street are excellent for student nurses. However, to house the 110 students for which Thayer no longer will be available, rooms should be provided in Bartlett Hall and Walcott House. This would take most of the rooms now available for graduate nurses in these two houses.

The provision of living facilities is an absolute essential for the employment of nurses, especially for the Staff Nurse who is

at the beginning of her employment, or the nurse who comes to Boston as a stranger.

Among other activities and studies, the members of the Advisory Council have toured 20 Charles Street and Thayer. They have inspected the teaching facilities of the M.G.H., met with the faculty and enjoyed talks given by Miss Louise Hatch of the Dietary Department, Dr. Dean A. Clark, Mr. David C. Crockett, and Mr. John I. Carlson concerning the 150th Anniversary Building Program. The Trustees' Committee to the School of Nursing and the Nursing Service has met twice.

The annual meeting of the Advisory Council was held on Tuesday, May 24, 1960. Mrs. Nelson W. Aldrich, Chairman of the Nominating Committee, presented the following names for election to the Advisory Council: Mrs. Alan Morse, representative from the community at large for a five year term and Miss Mildred Schwier, representative from the field of education and health, for a five year term. Miss Schwier is the Director of the School of Nursing and Nursing Service at Rhode Island Hospital and until this year was Director of the Department of Diploma and Associate Degree Programs of the National League for Nursing. Mrs. Alfred Kranes, a member of the M.G.H. Nurses' Alumnae Association, was elected by the Association to serve for three years. Mrs. W. K. Jordan was reappointed for five years and Mrs. Van Courtlandt Elliott was reelected to a one year term.

Mrs. Anne Lyons Twoomey, Alumnae Representative and Associate Professor of Mental Health at Simmons College, has completed a three year term. Her contribution to the Council and to the School of Nursing cannot be overestimated.

The Council is sorry to report the death of Mrs. George Tappan Francis, an Honorary member of the Council, who for so many years gave of her time and effort on behalf of the Hospital.

In closing I wish to thank Miss Sleeper, Miss Sylvia Perkins, Mr. John E. Lawrence, Chairman of the Trustees' Committee to the School of Nursing and Nursing Service, the faculty, and the members of the Advisory Council for their cooperation, interest, and advice which have made this report possible.

FRANCES J. FAHNESTOCK
Chairman

Massachusetts General Hospital

Nursing Department

	1960
Average No. of Graduates on General Hospital Staff and Clinics	260
Average No. of Graduates on School of Nursing Staff	49
Average No. of Graduates on Baker Memorial Staff	70
Average No. of Graduates on Phillips House Staff	84
Average No. of Students	237
Average No. of Freshman Students	124
Average Total	829
Total No. Students Admitted (includes 5 Degree)	148
Freshman Students Dropped and Resigned (includes 3 Degree)	16
Students Graduated (includes 4 Degree)	142
Students Dropped and Resigned	31
Total Dropped and Resigned (includes 3 Degree)	47
Students Readmitted	7
Average No. of Graduates on General Hospital Staff—*Part Time	12
Average No. of Graduates on Baker Memorial Staff—*Part Time	13
Average No. of Graduates on Phillips House Staff—*Part Time	6
Total *Part Time Graduates	31

CENSUS OF THE NURSING SERVICE AND SCHOOL OF NURSING
OCTOBER 1, 1960

Graduate Nurses, General Hospital and Clinics	280
Graduate Nurses, School of Nursing Staff	48
Graduate Nurses, Baker Memorial	80
Graduate Nurses, Phillips House	88
Total	496
STUDENT NURSES:	
Students	236
Freshman students three year program	143
Preclinical students Coordinated Program with Radcliffe College	6
Affiliating students from other schools	46
TOTAL GRADUATE AND STUDENT NURSES	927
NUMBER OF STUDENTS ASSIGNED OUTSIDE THE GENERAL HOSPITAL	
Baker Memorial	
MGH students	17
Incoming Affiliating students	16
Phillips House	4
Boston Lying-in Hospital	25
McLean Hospital	32
Public Health	0
NUMBER OF STUDENTS AFFILIATED IN 1959-60 FROM:	
Simmons College School of Nursing	23
McLean Hospital School of Nursing	16
New England Baptist (Clinics)	61

*Part time nurses expressed in equivalent of full time.

The Nursing Department

The School of Nursing

THE activities of the School of Nursing as the year ends illustrate well the intensity of our program. On September first 55 students, who had made ready through special classes, went off to their first affiliations; 24 to the Boston Lying-in Hospital, and 31 to the McLean Hospital School of Nursing. Simultaneously, 53 returned from these same affiliations to resume the program in the home School and to be brought up to date on changes occurring during their three months away. On September 8, 117 seniors were graduated. As only one class is now graduated each year, the exercises were for the first time held on the anniversary date of the admission of the class. On September 13, 143 freshmen entered the School, the largest class to be admitted in peace time. On September 15, having completed two weeks of preparatory orientation, 99 junior students received the senior cap, and were admitted to the nurse internship. Meanwhile, the fall term began for all students.

Such changes are the result of the year's planning and activity. To prepare for the entering class the Committee on Admissions had screened one by one approximately 500 applications, and recommended the appointment of those who gave best promise of success in our situation. The Student Health Service had completed more than 143 pre-entrance physical examinations, as well as the day-by-day health check-ups and the 344 yearly physical examinations for the enrolled students. In September the residences, without a break to prepare for the change, were made ready to receive 63 students returning from vacation and affiliation, the 143 entering freshmen, and the intra-residence reassignments to maintain happy and congenial groups. The Curriculum Committee and the Faculty within the individual teaching units had accepted the curriculum changes planned for the new school year and begun implementation. Schedules for as many as 200 weekly class sessions were readied and the room schedule published. The Committee on Evaluations studied the progress reports of all enrolled students and made their recom-

mendations for promotion, graduation, or warning status according to class and progress. The Committees on Library and Audio-Visual Aids had their final meetings and ordered the books, periodicals, and the audio-visual aids and equipment necessary to start the year. The Coordinating Council, a committee of Nursing Service and Nursing School administrators, had tried to clear the major problems arising when basic nursing education, the primary purpose of the School, is conducted in a patient unit, the primary purpose of which is patient care.

Certain changes in the School stand out in the year's review. The fall enrollment reflects the loss of the March class. In the fall of 1959 there were 152 senior nurse interns. In 1960 with one class, which is also a small class, there are 99. Since the nurse internship is the period planned for development of skill in patient care, the major portion of the student service is contributed at this time. A reduction of 53 seniors was a real loss to many patient units in a year when budget requirements were stringent.

The increase in the number of freshmen admitted aggravated the existing space problem. The School's science laboratories were planned to accommodate 30 students. Laboratory sections of necessity this year numbered 35. The Palmer-Davis Library seats 50. During the year, on recommendation of the Library Committee, three special reading rooms had been established to relieve the overcrowding; one at 20 Charles Street for freshmen, one in Walcott House for social science pamphlet materials, and one in the Baker Memorial for practical nurse student assignments. In spite of these and other previous changes, the annual library count of students and graduate nurses using the library rose from 13,050 in 1955 to 22,170 in 1960. Because three class rooms were this year available in 20 Charles Street, the pressure for class rooms was somewhat relieved. The distances between class rooms, the inadequate heating and lighting of some, the yearly necessity to move teachers' offices from one building to another to make space for some other department, are constant sources of frustration.

For the first time in many years the School began the year with adequate residence facilities. In 1959, although the 20 Charles Street building was available much still remained to be

done to make the mechanics of living run smoothly. We can now report a happy household, and a constructive one. This fall, 20 juniors volunteered to live at 20 Charles Street for three months to help the entering class make its first adjustments to the School and the extracurricular program.

In September an Exchange Teacher Program was formally begun with the Atkinson Memorial School of Nursing at the Toronto Western Hospital, Toronto, Canada, and the Royal Victoria Hospital School in Belfast, Northern Ireland. The plan, in part supported by the Rockefeller Foundation, allows for a three-way exchange for each of two years. In 1960 the M.G.H. instructor will spend nine months in Toronto and two in Belfast. It is hoped she may visit some English schools before her return. In 1961 our instructor will have the nine-month period in Belfast with the shorter time in Toronto. Miss Irene Norton was selected for the M.G.H. 1960 Exchange Teacher. The M.G.H. School received Miss Phyllis Irvine, a Sister Tutor in the Belfast School. As part of the exchange scheme a study will be done to determine the value of the plan. Differences in the three systems of nurse education should also be apparent from the study.

For some time the Committee on Admissions and the individual instructors have watched the correlation of the pre-nursing tests with the students' success in the School. After a conference with a representative of the New England College Board, the School was invited to try out three College Board examinations with the 1960 freshman class after the class was settled in the School. The results were sufficient to warrant a change in the admissions program for 1961. Notice of the change was mailed to 2,500 high schools in September. Plans are now being made for correlation studies of the former pre-nursing tests and the College Board Examinations with success in the School to give direction for the future pre-admission testing program.

Moving from the home school to an affiliating school when both courses and nursing practice demand great readjustment is not an easy process for second year students. To facilitate the students' change, to understand better the students' needs, to help to balance philosophies and policies of the two institutions,

the second year Coordinator has developed a plan for regular visits to the Boston Lying-in and McLean Hospitals. At times the Health Supervisor and Counselor go also. These visits provide time for informal group conferences or individual interviews with students, as well as time for conferences with the faculty of the affiliated programs. That student achievement at the Boston Lying-in seems to have improved, that fewer emotional difficulties have been evident during the McLean affiliation, appear in part due to the efforts made to help the student in her adjustment to these new experiences.

In April the School was surveyed for continuing accreditation by the National League for Nursing. The value for the faculty of such a survey lies in the comprehensive review of the School's program as a whole, and the insights that such a review bring. Our report showed deficits, some of which are matters of interpretation to the Accrediting Service. Many, however, are beyond our present ability to correct: shortage of class rooms; inadequate library space; lack of rooms on ward floors for teaching; crowding of teachers in offices. To correct these the School must have an adequate building. How to retrieve space lost on ward floors as reorganization occurred, or to secure space for teaching rooms now, when almost every department's need for space is great, must be referred to the Hospital Administration. Every study such as this survey serves to emphasize again the need of the School for space of its own to use and to develop.

The School of Nursing Cost Study begun in 1959 was completed in August, 1960. The study was conducted as a part of a broad national study of the costs of nursing education in selected schools carried on by the National League for Nursing. In brief, and somewhat over-simplified as stated, the study included a day-by-day tabulation of the total number of student hours assigned to practical experience for the calendar year, carefully made estimates by the faculty of student "ability" in December and June, painstaking estimates of student "usability" by head nurses and supervisors in the same periods, computation by formula of the value of the student nurse hour as compared to graduate nurse values, and translation of student value into monetary value. Although this study was completed before the end of the Hospital fiscal year, the actual costs of education

and maintenance for 1959-1960 are not yet available to give a final figure. There seems no question of the outcome. In the Cost Analysis of the School conducted in 1930 the School was found to be a large financial asset of considerable value. Since that time educational costs have risen with improving programs for students, higher salaries for teachers, improved facilities for teaching, more adequate housing, increased cost of food, and reduction in hours of student contribution to patient care. Furthermore, school changes reflected in nursing service costs would show a simultaneous increase as patient care activities have been transferred from student nurse to graduate nurse or other personnel.

Many questions must be considered in the coming year. What proportion of her educational costs should the student in this School contribute through payment of tuition, fees, or patient care? For the first six to eight months the student makes no return to the Hospital. For the remainder of the first year her contribution is small. Should she not pay, as students do in other types of schools, some part of the cost of her maintenance?

The Coordinated Program conducted with Radcliffe College now has an enrollment of 16, 10 of whom are in the two clinical years. Six were admitted in the summer of 1960. For the second year, no students have been admitted to the program as Radcliffe freshmen. Enrollment is now open only to college graduates. All courses have been reevaluated and rewritten to meet the needs and interests of the more mature student. Two more small groups of students in the classes of 1961 and 1962 remain at Radcliffe. Before their degrees are granted some decision concerning the future of this program must be reached.

The Simmons College School of Nursing has now assumed complete responsibility for its own teaching. Only two areas of shared instruction remain. The nutrition instructor in the Coordinated Program continues to teach the Simmons College students during their medical-surgical course. Simmons College continues for the present to provide a part of the theory in the course in Public Health Nursing for the students in the Coordinated Program.

The Nursing Service

Year by year the Nursing Service increasingly finds itself the focal point of conflicting pressures. Accelerated admission and discharge of patients, changes in plans for medical care, increased numbers of medical residents, improved methods of hospital accounting, modified patterns of education in the School of Nursing, constant effort on the part of every department to improve, all combine to bring new pressures and demands upon the Nursing Service.

Many of these pressures are so much a part of the every day events they may pass unnoticed except for the occasional reactions of the personnel. A sampling of medications ordered on 6 floors in February showed 1,500 medications administered in a 24-hour period. On this same day one patient received 40 medications, and 41 patients on one ward received 350 doses. Few of these medicines today are prepared by the simple process of pouring. Many require computation of divided doses. Many must be administered hypodermically or intramuscularly. All must be recorded. How to give doses to 15 different patients on a large floor on the dot of 10 a.m. is still an unsolved riddle.

The competition for space on the patient units which results in decreased storage space for supplies, or even elbow room in which to work, constitutes an unrecognized but significant irritation to those who spend all of their working hours on the wards. This situation is aggravated by the fact that the Hospital Store also is short of space. Disposable equipment promised great time saving and improved workmanship. This promise was fulfilled. Few, if any, anticipated that the Store could not hold the equipment, that the ward space would be literally jammed with material, or that so much time would be needed to care for the equipment and prevent loss from disappearance or misuse. To teach and demand the practice of economy is not simple when a case of supplies arrives on the ward in response to the requisition for half a case or less.

In the Head Nurse's absence it must be expected that administrative details necessary for the patients' welfare will continue. On a Bulfinch ward for 15 patients the nurse responsible, day or night, may be called upon to use almost any one of 86 different forms or requisitions. Eleven of these have been added in

the past two years. None have been omitted. Problems of storage to make for easy location, problems of inventory, problems of teaching, multiply with every addition.

The amount and variety of equipment and supplies needed to run a medical floor and meet emergencies have changed radically. Not too many years ago to check the emergency equipment was a matter of checking the oxygen tank, tubing and funnel. Today the range of equipment extends from the emergency drug kit to laryngoscope, resuscitator and pace maker. This change is not merely a matter of collecting and maintaining the necessary articles. Involved also is the problem of teaching the nursing personnel. For greatest value the pace maker, for example, should be in place on the patient whose condition suddenly changes and in operation when the doctor arrives.

As all departments adjust their budgets to meet the Hospital's need, it must be expected that most would in some way affect another. Since all departmental activities are conducted for the same purpose, patient care, rippling effects of change are felt throughout the Hospital. To avoid frequent deliveries to wards, the Central Supply Room must leave large quantities of intravenous fluids on the floors. From 75 to 500 flasks of 16 different types of strengths of solutions are now the responsibility of the ward staff to store and to check. As Dispatch Service curtailed its activities, it now devolves upon Nursing to deliver specimens which must reach the laboratory within 5 to 15 minutes after being drawn. Specimens drawn after 4 p.m. must always be delivered by personnel assigned to patient care.

Nursing cannot meet the patients' needs by simple curtailment of its services. Nor can nursing personnel always maintain the personal relationship in patient care we all desire when this care must so often be given under a kind of emergency pressure. A glance at the employment statistics for Nursing appears to indicate that our numbers have risen. Four hundred and seven nurses were employed in all units combined a year ago. Four hundred and fourteen are employed now as this year ends. With the exception of the Burnham Memorial, the General Hospital units are operating with reduced staff. The Baker has developed a plan for reduction and will not replace staff beyond a specified limit as resignations occur. Three units of necessity have in-

creased. The Burnham, now running a higher patient census, has replaced all student nurses formerly on night assignment with graduate nurses. Phillips House during the past year has added 24 beds. The General Hospital Operating Room has increased nurses in part to improve operating room service and in part to assure adequate coverage for the Recovery Room now running an intensified schedule for 24 hours daily.

If patient services cannot be reduced, how can Nursing keep its budget within the necessary limits? The answers must come from changes in methods of workmanship, through the introduction of more effective organization, or through better utilization of personnel.

To simplify and facilitate the work, the Committee on Nursing Practice has continued to study and revise nursing procedures. Consideration of the details and problems involved in the administration of medicines led to two experiments now under way, with new plans for the recording of medications and a new procedure for storage and use of medicine cards. A full time worker with this Committee would both facilitate study and accelerate the necessary changes.

The Committee on Patient Education and Referral and the Coordinator for these services have prepared three more pamphlets for patients, "How To Do Sterile Saline Dressings At Home," in English, Italian, and Polish, "Information For Visitors: Precautions," and "Home Care of Tracheotomy and Laryngectomy Tubes." The Coordinator has increased her visits to nursing homes in an endeavor to secure the desired continuity of care, and to facilitate the patients' adjustment to the new surroundings. Referrals to visiting nurse services and to nursing homes continue to increase. With the growing number of referrals to nursing homes, referrals are now an equally important part of the patient teaching and discharge plan in the Baker Memorial and Phillips House, the private services.

In June a special grant was received from the Trustees to study the processes of scheduling in the Baker Memorial. Preceding this study a detailed analysis was made in all in-patient units of the nursing activities during the 24 hour period. Working closely in the Baker with the Assistant Director of Nurses, Supervisors and Head Nurses, representatives of the Proudfoot

Company recorded estimates of the nursing time needed for the various patient and non-related patient activities to be carried on. Head nurses learned how to forecast the ward needs, related departments in some instances were asked to furnish advanced information necessary for ward planning, and time planning was adjusted to give more assured staffing.

This was not an efficiency study nor were the activities involved led by efficiency experts. The Head Nurses had the advantage of working with experts in the field of industrial scheduling. They had opportunity to see the inherent values in studying their own situation, forecasting or planning ahead and scheduling both personnel and activities to secure most effective results. Those who responded best saw the possibilities for more effective patient care resulting from this advanced planning, and the time required for this planning as time well spent. Those who were loath to accept the responsibility for such planning saw the daily forecast as an added burden.

The adjustment to the changes involved, as expected, were felt in other departments too. Some resented the introduction of the "efficiency experts" in patient care. This misconception we hope has been corrected, since all decisions affecting patient care were made by Nursing, and since the rearrangement of personnel and the forecasting of needs have resulted in an equal amount of time for patient care with a reduced staff.

The Nursing Service is grateful to the Trustees for this opportunity to work on the problem of scheduling in the Baker Memorial and in the White Building where the work was begun in September. Out of this we believe will come more than forecasting and scheduling. Better utilization of staff will result through these two activities. Other areas needing investigation now begin to appear; for example, absenteeism which causes not only loss of time but disruption of schedules on many floors as workers are uprooted to fill the gaps.

There is still much to be learned too about the better organization of nursing activities, the separation of nursing and non-patient related activities in the ward units, and the better care which could result if nurses' time were not dissipated in non-patient related functions as it is today. Nurses involved with patient care are neither prepared nor do they have time to in-

vestigate problems of organization. More assistance from experts outside the Hospital would more than pay the cost of further such studies.

Whatever is done to help Nursing must, however, be done with the needs of all other departments in mind. The time has passed when any one interest in the Hospital can set its goals without considering the effect on all others. We are today one Hospital world held together by the common purpose of service to patients. Only as we can move forward together can the goal be realized and the function of the Massachusetts General Hospital be achieved.

The Nursing Department again expresses its appreciation to Dr. Erich Lindemann and his Department for the assistance given to Staff Education, Head Nurses, Supervisors, Nursing Service Administrators and the students and teachers in the School of Nursing. The psychiatrist, psychologist, and sociologist stimulate the development of insights so necessary in these days to the nurse who is attempting to give nursing care with understanding and skill to the person who is a patient.

The members of the Nursing Department are grateful to the Trustees and the Administration for the increases in salary granted in May, 1960. Competition in the employment of nurses between hospitals, doctors' offices, and other employers of nurses grows increasingly strong. The Hospital on the whole has done well in securing a reasonable supply. In a situation where progress and perfection set the standards, no supply would ever be satisfactory to all. Head nurses, supervisors, and teachers comprise our major problem. To secure and stabilize these groups seems impossible. The head nurse marries, goes to school, seeks greener pastures in the West, long before she has developed from nurse to nurse administrator. The teacher may be employed with educational preparation and a minimum of nursing experience. Good ones are difficult to attract in sufficient numbers for all of the 1,118 schools in the country, and especially for the hospital school which seems to offer fewer attractions than the college or university nursing program. The supervisor who should have educational preparation equivalent to the teacher, a sound experience as both staff nurse and head nurse, and proven ability in administration is most difficult of

all to secure. To maintain our supply of all of these groups the change in salary schedule was of primary importance.

As heretofore, the outreach of the nurses has been two-fold. Outreach for continuing education to benefit both self and work has been evident in the nurses who took advantage of the scholarship program during the year. Outreach into organizations and other agencies to give the help which both the individual nurse and the Nursing Department could give took a large segment of the free time of many nurses also. From the State League for Nursing, in part through the tenacity of one MGH assistant director of nurses, came the study "Nursing Needs and Resources in Massachusetts," a tool of value for us all. The State and National Leagues for Nursing, the Massachusetts and American Nurses' Associations, International Council of Nurses, United Community Services, other hospitals and schools of nursing, were all served in some way by supervisors, administrators, and teachers.

RUTH SLEEPER, R.N.
Director of the School of Nursing and Nursing Service

Report of the Social Service Department

ALTHOUGH previous years have seemed busy, this year has brought increasing work loads and pressures. Reports from the thirty-five professional staff members reflect this in the three-fold responsibility of the Department in its dedication to: (1) Service to patients and families, (2) Teaching, and (3) A desire to learn through study and research.

1. *Service to Patients*

a. *Statistics and Staff Patterns*: Figures only partially tell the story of services to patients and their families as we help them meet major disruptions in their family and work life, caused by severe chronic illness and handicaps, both physical and emotional. The over-all number of individual patients served this year was 6,871, an increase of 235 over last year. The average monthly case load for the Department rose from 1,880 to 1,954 patients. Marked increases occurred in the Emergency and Overnight Wards, especially on the Psychiatric Service; in the Alcoholic Clinic; in Baker Memorial and Phillips House; in the Tumor Clinic; in the Urological, Neuro-medical and Surgical and Rehabilitation Services. Decreases appeared on the Orthopedic, Pediatric and Dermatology Services. As a result of these trends, some staffing changes have been made and others are in process.

Last year the equivalent of one full time psychiatric worker was added to the Emergency-Overnight Wards by assigning a worker there each day. This is not ideal for we know if we had more staff time and could give more complete and prompt attention to the social and emotional problems which often precipitate the Emergency Ward visit, we would be giving better patient care and helping to prevent further breakdown.

Expansion in the Alcoholic Clinic extended beyond the limit of coverage by one worker. Limited and temporary help from other workers in the Psychiatric Service is only a stopgap until additional staff can be added. Such needed coverage has been made known to the Commonwealth of Massachusetts Alcoholic Division which now pays the salary of the one worker.

Services to private patients in Baker Memorial, Phillips House and private offices of the M.G.H. Associates increased so that Mrs. Caroline O'Connor, who covers the Vincent Memorial Services and other clinics will begin to give part time to assist Miss Dorothy Kellogg. Office space and even more staff time are sorely needed in this vitally important service.

Tumor Clinic referrals have practically doubled this year since Mrs. Rachael Schepkowski joined the staff in the fall of 1959 to give full time coverage there. For almost a year the Clinic has been without a caseworker full time.

With the decrease in referrals from the Orthopedic and Pediatric Services, staff time is being reallocated to give partial assistance to increasing demands from Urological, Neuro-medical and surgical, and Rehabilitation Services. How long these trends will last is hard to foresee and staffing patterns are constantly changing, depending on such variables as bed occupancy, new programs, time and sensitivity of clinical personnel to social needs of patients and continuity and availability of Social Service staff.

b. *Finances for Patients*: Many variables have likewise affected the amount of money which the Department raises from special funds and agencies to meet the extra costs of illness and rehabilitation. The following figures show changes in this service:

	1958-1959	1959-1960
Total Spent	$13,184.67	$20,176.15
Paid by Families	$ 1,139.17	$ 863.93
Paid by Social Service Funds	6,251.35	8,246.26
Paid by Private Agencies and Funds	4,994.77	8,465.08
Paid by Public Agencies	799.38	2,600.88

Comparative amounts also show marked increase in certain services:

Services	1958-1959	1959-1960	Increase
Artificial Limbs	$ 542.25	$1,304.48	$ 762.23
Camp	1,270.00	1,792.64	522.64
Dental Work	395.50	905.00	509.50

Homemaker	117.00	1,623.05	1,506.05
Nursing Homes	791.33	1,287.77	496.44
Special Schooling	446.05	2,127.50	1,681.45
Transportation — Taxi	5,545.00	7,728.75	2,183.75

Taxi transportation increases are due to several factors: curtailment of Red Cross Motor Corps Service since September, 1959; early discharge of patients too sick and handicapped to make use of public transportation; increased treatment plans involving long-term, daily visits for various types of therapy.

The need to meet immediate nursing home and convalescent care costs is due largely to the fact that many of our patients are ineligible for public assistance because of incomes and resources adequate to ordinary maintenance, and also to the long delay in public agency staffs establishing settlement and financial eligibility for many of our patients who have moved about and, therefore, are "unsettled cases." Discharge plans can not wait for weeks while public agency responsibility is being determined. In many instances patients have recovered or died before applications are processed and Social Service must meet the bills.

Greater concern is being evidenced by all in attempting to maintain family solidarity. Expensive but valuable homemaker service has been purchased so that mothers can return home to be with the children who need their support and affection.

The cost of specialized schooling for pseudo-retarded children, though expensive, has been one of the most gratifying expenditures. Children who come to clinic labelled as "retarded", and for whom psychiatric treatment and private schooling for a year have been arranged, have been able to return to normal schooling and have moved from retarded classification to normal and even above-average intelligence. Salvaging such emotionally disturbed normal children is one of the most important services in the Department of Child Psychiatry.

c. *General Casework Services*: Throughout the Hospital, social services around severe chronic and terminal illness have persisted and indeed increased. In rendering such services much staff time is given, not only to the patients, but to their families for patients' families and community resources must become an integral part of patients' care and rehabilitation.

There is not enough staff time to go out to the homes and community agencies though the staff have tried to do this. One can not be readily available in the clinics and wards and in the meantime get outside to homes and community agencies. This has been particularly hard on such services as Rehabilitation, Neurological, Pediatric and Surgical.

Unless more staff is soon available to the increasing and difficult Rehabilitation Service, Miss Mackin will be unable to continue to give adequate service in the all important follow-up and community planning as patients are discharged to continue the long-term rehabilitation process. Her contribution in direct service to severely handicapped patients, her consultative contribution to the members of the rehabilitation team in patient understanding and management, and her continuity in long-range rehabilitation require additional help or a valuable hospital service will fall far short of its goal. This assignment must have priority.

Several general trends revolving around discharge planning need consideration by all care-giving personnel. During the year we have been trying to analyze what goes into adequate and realistic discharge planning and the contribution of each team member. Continunity of nursing care has been greatly facilitated by the nursing staff referral plan, but there are still great gaps in the continuity and definitive medical care planning with local doctors and community agencies. Communication often breaks down, and local doctors are not drawn in to the planning and aftercare. In the pressures on all staff for discharge of patients, hurried and often inadequate plans are made. Together we need to look at this aspect of patient care which may be the key to success or failure of skilled hospital care.

The great advances in technical knowledge and skills in the past few years, affecting all professional groups, are of tremendous value in patient care, but may become a hazard unless we all are ever watchful. In our desire to learn and apply this new knowledge we can easily lose the spirit which has held the patient and his comfort the main focus. The patients whose ills, both physical and psycho-social, do not respond to our treatment may be hurriedly discharged or dismissed from treatment. This has been particularly true of the terminally ill patient. As De-

partment Heads there is opportunity to support young staff in learning that there is frequently much of value we can give to the dying patient and his family. It is not that the young people do not fundamentally care about the individual but they seem caught up in the pressures of so much to learn, so much to apply, and so many patients to serve in maintaining high occupancy and turnover.

In spite of much new knowledge we all, doctors, nurses, and social workers, need to realize that we cure only seldom, though more often than we previously did. We alleviate distress often, but we can comfort always — a service which to the individual patient and family may be the most important one that any of us in the care-taking professions give.

2. *Teaching*

Ten social work students from Boston, Simmons and Smith College Schools of Social Work received their field practice experience last year. The Rehabilitation and Cardiac Training Units, in conjunction with Boston College and Simmons, continued under Mrs. Edith Haughton and Mrs. Suzanne Deutsch, respectively. Three advanced social work fellows were here for the year under the Community Mental Health Training Program in the Department of Psychiatry. Educational programs and lectures for nursing, medical and allied students were carried by staff members as usual.

3. *Study and Research*

a. *Formal Research*: In September, 1959, the Alcoholism Treatment Project, under Dr. Morris Chafetz, got under way in the Emergency Ward with Mr. Joseph Golner and Miss Elizabeth Lacy as social workers. This experimental treatment plan, using the team of psychiatrist and social worker to meet the alcoholic's needs as he enters the Emergency Ward, seems to have indicated that patients receiving interest, attention and continuity of care by the psychiatrist-social worker team make significantly more initial visits to our Alcoholic Clinic than do the patients not receiving special care. The figures are 65% of the experimental group and only 8.3% of the control patients. We are all learning something in new approaches to these isolated and deprived sick individuals.

b. *Informal Studies*:

1) A series of seminars on case studies under Mrs. Bess Dana of the Simmons College School of Social Work.
2) A practice project study of "Social Work Assessment of Medical Social Situation" under leadership of Miss Harriett M. Bartlett.
3) Consultation conferences with Dr. Jerome Weinberger of the Department of Psychiatry.
4) Study and improvement of Medical Social Ward Rounds in both medicine and surgery services.

Department Personnel:

There were the usual staff losses and gains. Particularly significant were the move to New York of Mrs. Betty Kurtz, Supervisor; the return home to Seattle, after ten years here, of Miss Patricia Clark, head worker in Pediatrics; and the departure to join the staff of the Family Service Society of Boston by Miss Leotina Murphy, Administrative Assistant. We were fortunate in having Miss Isabel Whiting, former Administrative Assistant here and recently retired Director of the Eye and Ear Infirmary Social Service, rejoin our staff to help in staff supervision and administration.

Special loss was felt this year in the deaths of Miss Edith M. Terry in October, 1959, and Miss Ida M. Cannon in July, 1960. Miss Terry joined the staff in September, 1925, in charge of the Children's Cardiac Service where she served until her retirement in July, 1952. The problems of children confined to bed for many months with rheumatic fever presented to her a special challenge and led to a series of notable contributions. Her Home Care Program was outstanding, with such ingenious devices as the "In-Bed Club," the "In-Bed Club" magazine, a comprehensive craft and educational program including summer school and, important to parents, a Mothers Club. In many creative ways she extended Social Service in its full implication into homes and lives of both patients and families. Throughout this long period she received loyal support from the Hospital's Committee for the Home Care of Children with Heart Disease. In Dr. Edward Bland's words, "Hers was a life dedicated to the hearts and happiness of children."

It is impossible to pay adequate tribute to Miss Ida M. Cannon, our pioneer and leader from October, 1907, to her retirement in October, 1945. Her formal degrees and awards have been many. She gave unstintingly and creatively of herself in the development of social work in this Hospital and throughout the world, bringing distinguished honor to this Hospital in its gift of Social Service in medical care to the world. So well did she build into the fabric of this Department that her influence will remain with it always, vibrant and alive. In this Hospital she so dearly loved and served, and in the far corners of the world she will always be close to many hearts in respect, affection and admiration.

One cannot close without again paying special tribute to the Social Service Advisory Committee and its Chairman, Dr. Edward L. Young, who this year was recognized for his twenty years of devoted service as Chairman of this Committee.

JOSEPHINE C. BARBOUR
Chief of Social Service

Report of the Dietary Department

"PROGRESS Reports" from each unit of the Dietary Department serve to emphasize the intensity of action which characterized our efforts during 1960.

In an endeavor to reduce expenses, many changes were effected in the kitchens and cafeterias to prevent the necessity of curtailment in areas of patient service.

Representatives from the White Kitchen, Cafeterias and Dishroom were vigorous in attempts to resolve the problem of inadequate dining room space. Several self-service innovations were not sufficient to relieve the overcrowded conditions in the Nurses' Cafeteria. The School of Nursing enthusiastically endorsed a suggestion to redecorate the West Cafeteria for the exclusive use of student nurses for the noon meal. The area was closed two weeks — a new floor was laid, tables were refinished, attractive modern design chairs were added, and the counter streamlined for as much self-service as possible. The new unit is called "The Checkerboard". "The Nurses' Cafeteria" has been renamed "The General Cafeteria".

Accomplishments in the Phillips House and the Baker Memorial patient service were made possible through schedule changes which afford more extended coverage and eliminate the necessity for "double menus".

Records indicate that only 29% of our total patients are on "house diets". The relative proportion of diet orders remains the same, but a considerable increase is noticed in the number of orders for caloric intakes and discharge diet instructions.

This is reflected also in the Out-Patient Department where the Nutrition Clinic was asked to give, in addition to the regular orders, instruction to sixty-two private patients at the request of the Associate or Visiting Staff. There was an increase in the requests for social agencies for food budgets for modified diets for "our aging population". Since the new Clinics Building is a part of the development included in the 150th Anniversary Program, visits were made to several clinics in New York to observe facilities and teaching methods.

A relatively quiet census on the Mallinckrodt Ward afforded time to develop and install a cross reference system of filing-by-diet-prescriptions, to revise the procedure bulletin entitled "Foods Commonly Used on a Constant Diet", and to develop a staff precedent book. Dietetic interns from all Boston courses came for a class and a tour of the unit.

Twenty-four dietetic interns were enrolled in the School. Miss Wilma Robinson, Dietetic Internship Liaison Director of the American Dietetic Association, visited in February and was pleased with several progressive changes in the curriculum. The greatest moment of the year came when the Board of Trustees approved an educational stipend for the Dietetic Interns.

Thus we have at once, pride and satisfaction in today's accomplishments — hope and ambition for the achievements that will be tomorrow.

LOUISE HATCH
Director of Dietary Department
and School of Dietetics

Report of the Volunteer Department

THE facts presented in this report lead to a happy conclusion: 1959-60 has been a year of interesting developments with the inevitable problems and challenges which confront every service. New recruits of high calibre are helping to keep our standards at gratifying levels. However, we are in need of more assistance between the hours of 9:30 a.m. - 12:30 p.m., Mondays through Fridays.

Several subcommittees of the Advisory Committee have been actively at work studying and reviewing recruitment, uniforms, information service, and our participation in the Lane Bryant Annual Awards for volunteer service.

It was a pleasure to welcome 20 members of the Distaff Club to their first in-hospital weekly volunteer service. They are to be commended for solving the problem of baby-sitters by arranging to have two members take charge of the children in the penthouse to make this service possible.

We are happy to report that 14 members of the Staff Wives Association were awarded the 100-hour American Hospital Association Volunteer Service pin.

This summer we were fortunate in having the volunteer services of Miss Marilyn Glynn, an art supervisor of the Public Schools in Canton. She painted murals in the solarium of the Children's Unit on Burnham 4. Her imaginative portrayal of the story of Raggedy Ann and Raggedy Andy provides great enjoyment both to the staff and patients as well as to the visitors.

Although the number of women offering volunteer service in hospitals has far overshadowed that of men, I am happy to report a noticeable increase throughout the country of dedicated male volunteers. Sixty-one active and retired businessmen, and college students helped on our program. During the day they serve in the Blood Bank, Upper Store, Dispatch and Building Service, as well as in the Emergency, Overnight and Mallinckrodt Wards. Those who have taken the required course assist in the evening with patient care duties and Children's Recreation Service.

Volunteer Service has eagerly welcomed the new and the different assignments. This year 75 nurses attending a convention of the American College of Surgeons, a group of doctors from Finland, and other visitors toured specific areas of the Hospital with the assistance of 21 volunteers.

The success of the Children's Evening Recreation Service prompted the establishment of a similar service for adults on White 9, the Rehabilitation Unit. Under the able guidance and supervision of Dr. Robert Jones and staff, volunteers visit, read, write letters, play cards and games, and help plan and participate in seasonal parties.

A feature article and photographs on the Volunteer Department appeared in The Boston Globe, May 10; and another article in our hospital publication, "The World".

We wish to acknowledge our sincere appreciation to the Ladies' Visiting Committee for the attractive new floor covering in the Volunteer Department which is being enjoyed very much by all of us.

This year at the volunteer annual Christmas tea party given by the Trustees and General Director in Bartlett Hall, there was an innovation in the form of exhibits showing some of the supplementary services contributed by volunteers which created an audible stir of excitement and interest. Consideration will be given to the many requests to continue, at future teas, this visual method of learning of our service opportunities.

The Director of the Volunteer Department was elected Chairman of the Greater Boston Council, Directors of Hospital Volunteers for 1960-62. She was also guest speaker at annual meetings of the Connecticut Association of Hospital Auxiliaries, Cheshire, Connecticut, and the Maine Medical Center Auxiliary, Portland, Maine. She participated on panels at the Woman's Hospital Association of the Central Maine General Hospital, Lewiston, Maine, and the Massachusetts Hospital Association, Boston.

From this brief review I think you will agree that the accomplishments of Volunteer Service are the result of the combined work, energy and skill of many people who have the ability

and experience, the determination and loyalty to make good in their respective jobs.

MARY RUTH WOLF
Director
Volunteer Department

Report of the Treadwell Library

FURTHER experience with the noncirculation of first copies of all periodicals has shown that the usefulness of the Treadwell Library has increased. This policy has the approval of a majority of the Hospital staff since it is reasonably certain that the journals held by the Library will be on the shelves. As the statistics show, the circulation of duplicate copies of periodicals has increased slightly, but many people are still unaware of the existence of these duplicates. All duplicate copies of periodicals thus far received have been processed and are available for circulation. More titles, in duplicate, have been added during this past year because of the generosity of many members of the Hospital staff. Thus, it is possible for those, who find coming to the Library to do their reading a hardship, to borrow these journals.

The number of periodical titles now being received is 472 as compared with 377 for 1959. This is not wholly due to the addition of new titles. Many publications of various hospitals and drug companies, which are indexed in the *Index Medicus* have been received for many years but have not been recorded or counted among the holdings of the Treadwell. Since one of our responsibilities in the cooperative effort of the Boston medical libraries to cover the medical literature more completely is to collect literature in the hospital field, these titles have been incorporated into our journal list.

As an added service in the reference field, the Treadwell Library is now prepared to offer more bibliographic help to those who wish it. The verification of reference lists before submitting papers to publishers will become a regular service to the Hospital staff. Limited literature searching will also be undertaken upon request.

The New England Regional Medical Librarians met in Providence, Rhode Island, on October 30-31, 1959. The Librarian was one of the discussants on a panel entitled "Interlibrary Cooperation".

About once a month the Boston Medical Librarians Council

has met. During the last weekend in May, 1960, the Council was host to Mr. Leslie T. Morton, Librarian at the National Medical Research Institute, Mill Hill, London, and joint author of "A Medical Bibliography". In September the Council entertained Mr. Philip Wade, Librarian, Royal Society of Medicine, London. The chief accomplishment of the Council for 1960 was the adoption of an interlibrary loan code for member libraries.

At the Medical Library Association's annual meeting in Kansas City, Missouri, in May, the Librarian was a member of a panel planned by the Hospital Division. As part of a discussion of "The Supervisor and the Supervised", Miss Cole talked about "Communication — A Two-way Street." A highlight of the meetings was a visit to the new University of Kansas Medical Center Library. During 1960 Miss Cole served as a library consultant for the Boston Chapter of the Special Libraries Association and was elected Secretary-Treasurer of the Biological Sciences Division of the Special Libraries Association. She continued as Vice-President of the University of Wisconsin Library School Alumni Association.

During a European trip the Librarian visited the medical libraries of the National Medical Research Institute, the Royal College of Surgeons, the Royal Society of Medicine, London Hospital, Wellcome Historical Museum, and British Museum in London; the University of Edinburgh Medical and Dental Schools; and the American Hospital in Paris.

Exhibits in the Treadwell have included "Spring flowers"; original illustrations by Mrs. Muriel McLatchie Miller for Welch, Claude E., *Surgery of the Stomach and Duodenum;* medicinal herbs featuring *A Curious Herbal* by Elizabeth Blackwell, London, 1729 owned by Miss Tirzah Sweet of the Nursing School; and *American Medical Botany* by Jacob Bigelow, Boston, 1820; and work of students in the School of Medical Illustration at M.G.H.

Staff changes during the year included the resignation of Mrs. Drusilla A. Wendoloski and her replacement by Mrs. Kathryn R. Cullinan. Night clerical help included Miss Gertrude A. Holler, Mrs. Betty A. Minton, Miss Elizabeth H. Wallace, Mrs. Ann White and Mrs. Ellen Moncey.

Mrs. Virginia L. Crowell and Miss Helen Bernice Sweeney have continued to give faithful volunteer service throughout the year.

Once more sincere appreciation is extended to each member of the Treadwell Library Committee for the time devoted to advising the Librarian in the administering of the Library. During the year new chairs were purchased for the Reading Room and the armchairs in the Smoking and Reading Rooms were reupholstered. Projected improvements are new reading lamps in the Reading Room, new stack lighting, and more reading room and literature searching space.

The sincere thanks of the Librarian go to all the friends of the Treadwell Library who have contributed books and journals to its collections. The response to last year's plea for journals, Congress proceedings, etc., has been especially gratifying. A list of donors is kept on file in the Librarian's office.

The statistics for the year follow:

	1959	*1960*
Number of periodical volumes	12,720	13,259
Number of other volumes	9,270	9,629
Number of pamphlets	1,600	2,000
Number of photocopies received from National Library of Medicine	440	309
Number of pages photocopied in Treadwell	4,235	4,814
Approximate number of items given to other Libraries	50	865
Number of periodicals received	377	472*
Number of volumes loaned	6,928	4,531
Number of unbound periodicals loaned	1,518	1,833
Total number of loans	8,446	6,364
Number of items borrowed from other libraries	2,145	1,754
Number of items loaned to other libraries	68	34
Number of persons using library during day	32,328	26,344
Number of persons using library during evening	6,035	5,150
Total number using the Library	38,363	31,494

GENEVIEVE COLE
Librarian

*Includes 352 purchased and 120 gifts.

Dalton Scholarships

THE income of this fund, amounting to $1,000 annually, is devoted to investigation in the science of medicine. The rules of the Trustees applicable to it are as follows:

ARTICLE 1. Candidates shall be nominated to the Board of Trustees by the General Executive Committee with their recommendations. They shall be either interns of the General Hospital or graduates of a regular American medical college.

ARTICLE 2. The nature of the work in medical investigation proposed to be prosecuted by each candidate shall be designated by the candidate.

ARTICLE 3. The dates of beginning and ending scholarships, the amounts of the stipends and the conditions of work shall in each case be recommended by the General Executive Committee to the Board of Trustees.

ARTICLE 4. The results of work of scholars shall appertain to the Hospital, and when made public the name of the scholar shall accompany the publication, but no publication shall be made unless approved by the General Executive Committee.

ARTICLE 5. When the income is insufficient, appointments for the year may be omitted.

ARTICLE 6. Any income not used shall be cumulative and not added to the principal.

ARTICLE 7. Scholars shall be eligible for renomination and reappointment.

Further information may be had by applying to the General Director of the Massachusetts General Hospital.

Warren Triennial Prize

THE Warren Triennial Prize was founded by the late Dr. J. Mason Warren in memory of his father, and his will provides that the accumulated interest of the fund shall be awarded every three years to the author of the best dissertation considered worthy of a premium on some subject in Physiology, Surgery, or Pathological Anatomy, the arbitrators being the General Executive Committee of the Massachusetts General Hospital.

In 1962 the prize will be awarded in the form of a lectureship at the Massachusetts General Hospital. The Warren Prize Lecturer, selected for outstanding work in medical science, will be nominated to the Trustees by the General Executive Committee.

The submission of special theses or essays will no longer be required for this competitive prize.

DEAN A. CLARK, M.D.
General Director

Statistical and Comparative Tables

Statistical and Comparative Tables

TOTAL ACCRUED EXPENSES

	General Hospital	Out-Patient Department	Phillips House	Baker Memorial	Miscellaneous	Total
1951.....	2,569,592.	853,238.	811,974.	2,004,082.	2,697,081.	8,935,967.
1952.....	2,810,431.	819,420.	870,212.	2,054,835.	2,731,526.	9,286,424.
1953.....	3,064,151.	887,828.	907,984.	2,084,635.	2,788,945.	9,733,543.
1954.....	3,168,890.	1,012,659.	1,006,092.	2,407,785.	3,229,039.	10,824,465.
1955.....	3,575,242.	1,008,501.	1,042,335.	2,512,596.	3,473,377.	11,612,051.
1956.....	4,261,912.	1,158,356.	1,203,094.	2,770,015.	3,690,189.	13,083,566.
1957.....	4,476,986.	1,334,795.	1,304,260.	2,934,279.	4,518,960.	14,569,280.
1958.....	5,375,433.	1,483,044.	1,523,384.	3,406,112.	2,378,576.*	14,166,549.
1959.....	5,575,972.	1,605,612.	1,666,735.	3,714,185.	2,794,412.*	15,356,916.
1960.....	6,052,617.	1,739,500.	1,770,265.	4,155,916.	3,501,466.*	17,219,764.

TOTAL NET ACCRUED EARNINGS

1951.....	1,319,840.	530,748.	998,282.	2,111,083.	1,648,868.	6,602,821.
1952.....	1,641,270.	575,864.	1,059,098.	2,304,887.	1,360,677.	6,941,796.
1953.....	1,922,424.	599,384.	1,165,987.	2,476,787.	1,410,630.	7,575,212.
1954.....	1,958,527.	648,324.	1,177,469.	2,638,040.	1,512,106.	7,934,466.
1955.....	2,357,868.	645,829.	1,235,431.	2,718,253.	1,700,183.	8,657,564.
1956.....	2,900,094.	659,737.	1,434,467.	2,966,123.	1,762,277.	9,722,698.
1957.....	2,927,985.	792,358.	1,523,634.	3,423,917.	2,155,307.	10,823,201.
1958.....	3,570,656.	864,742.	1,790,032.	3,897,908.	2,401,304.	12,524,642.
1959.....	3,837,852.	856,443.	1,976,648.	4,508,186.	2,660,813.	13,839,942.
1960.....	4,023,076.	954,376.	2,312,042.	5,012,325.	2,971,008.	15,272,827.

* Research Funds excluded.

STATEMENT OF STOCK ON HAND

	Oct. 2, 1960	*Sept. 27, 1959*
Total Stock on Hand October 2, 1960 and September 27, 1959 respectively	$752,736.54	$668,230.93

NOTE: Due to the 13 period fiscal year, the 1960 year contains one extra week. Therefore the 1960 figures and statistics are based upon a 371 day year instead of 364 days.

GENERAL HOSPITAL

	No. Patients Admitted to Wards	Total Patients' Days Treatment	Average Stay in Hospital	No. Operations House Cases
1951	7,232	115,904	16— "	4,885
1952	10,547	118,120	11+ "	4,793
1953	10,698	127,337	12— "	5,639
1954	10,521	127,496	12+ "	7,052
1955	11,586	141,585	12+ "	6,868
1956	11,083	141,231	13— "	7,225
1957	11,734	133,521	12— "	7,745
1958	11,890	141,371	12—	6,991
1959	11,954	142,097	12— "	7,098
1960	11,547	134,047	11+ "	7,015

	1960	*1959*
Net income, General Hospital	$4,023,076.	$3,837,852.
Total number of patient days	134,047	142,097

	1960	*1959*
Average number of patients per day	361	390+
Number of beds available	459	454
Percentage of beds occupied	78.7%	86%
Autopsies	63.1%	67%
Per capita earnings (excluding special nurses)	30.01	27.01
Per capita earnings on special fees	14.84	12.47
Per capita cost of foods, patients only	.92	.95

EMERGENCY WARD

	Number of Patients Treated	Average Daily Cost per Patient	Cost of Maintenance	Total Net Receipts
1951	18,449	7.94	146,576.	47,978.
1952	20,243	8.16	165,108.	71,149.
1953	21,231	9.02	191,442.	86,891.
1954	21,216	10.28	218,048.	108,598.
1955	25,027	10.35	258,960.	132,560.
1956	29,144	12.18	355,013.	130,049.
1957	32,036	11.76	376,625.	154,539.
1958	35,041	9.73	340,911.	168,212.
1959	35,698	11.10	396,425.	128,800.
1960	38,258	14.27	546,050.	188,284.

COMBINED CLINICS

	New Cases	Total Number of Visits	Daily Average	Total Number Prescriptions Filled
1951	15,065	183,667	608+	111,125
1952	14,307	177,657	588+	111,959
1953	14,955	176,587	585	114,859
1954	15,226	181,774	602—	121,424
1955	14,577	187,747	622—	126,067
1956	13,079	186,517	618—	127,885
1957	13,173	211,205*	699+	129,179
1958	12,283	216,216*	716—	129,622
1959	12,491	225,256*	746	133,103
1960	12,442	225,456*	732	139,472

	Cost of Combined O. P. D.	M. G. H. Share of Cost	Aver. Daily Cost per Pt. in Comb. Depts.	Total Net Receipts	Aver. Daily Net Receipts	MGH Share of Net Receipts
1951	911,217	710,433	4.96	676,259	3.68	441,982
1952	918,728	726,900	5.17	697,498	3.93	484,020
1953	943,852	779,549	5.34	645,901	3.66	489,568
1954	1,069,175	888,492	5.88	671,304	3.69	517,888
1955	1,088,976	889,033	5.80	685,386	3.65	527,948
1956	1,243,689	1,022,144	6.67	673,815	3.61	525,917
1957	1,420,258	1,191,370	6.72	806,433	3.82	651,397
1958	1,565,229	1,327,536	7.24	868,250	4.02	710,984
1959	1,704,172	1,454,023	7.57	917,333	4.07	707,470
1960	1,868,276	1,592,537	8.29	1,042,143	4.62	809,164

*Includes Staff and Other — See page 124.

	New Patients		Subsequent Visits		* Staff & Other	
	1960	*1959*	*1960*	*1959*	*1960*	*1959*
Admitting Physician	810	566	2,020	1,935	7	671
Medicine	499	599	22,609	21,857	1,037	162
Alcohol	47	14	1,403	881	1,311	943
Allergy	17	22	8,797	8,949	769	808
Anemia	—	1	—	312	—	8
Hematology	—	—	394	126	6	3
Arthritis	5	2	1,066	989	35	32
Diabetes	5	3	3,330	3,537	76	114
Gastro-Intestinal	3	1	1,018	1,079	11	24
Cardiac	13	23	937	975	13	15
Hypertension	—	—	593	332	16	5
Nutrition	2	4	331	325	4,122	4,287
Ovarian Dysfunction	—	13	13	512	1	29
Podiatry	—	2	1,420	1,247	268	254
Pulmonary	4	3	487	352	141	12
Rheumatic Fever	1	7	479	452	6	10
Thyroid	10	2	3,163	2,100	259	1,273
Dermatology	766	781	8,318	8,507	1,614	1,280
Syphilis	41	43	2,503	3,013	398	348
Neurology	148	188	6,831	6,507	141	110
Language	42	29	6,869	5,138	106	111
Psychiatry	282	265	4,315	4,706	24	240
Child Psychiatry	5	11	1,917	1,834	434	974
Children's Medicine	685	820	5,195	5,742	210	192
Adolescent Endocrine	34	21	918	432	31	7
Surgery	350	311	12,688	13,010	915	1,041
Amputation Clinic	31	24	160	115	2	—
Amputation Rounds	21	15	137	134	6	—
Fracture	1	3	3,411	3,831	136	94
Hand	36	7	80	142	48	46
Plastic Surgery	—	—	97	61	1	4
Rectal Surgery	—	—	217	177	7	20
Vascular Surgery	2	2	436	437	28	33
Gynecology	135	133	2,981	3,571	380	424
Orthopedic Surgery	281	325	6,986	6,990	575	522
Infantile		—		38		—
Scoliosis	—	—	67	62	—	1
Urology	78	95	5,054	5,207	239	281
Stone		1		31		2
Dentistry	344	310	3,105	3,289	1,110	1,397
Tumor	143	217	8,064	8,156	553	707
Rehabilitation	3	4	170	196	1	20
General Hospital Clinics	4,844	4,867	128,579	127,286	15,037	16,504
General Hospital Totals	4,844	4,867	128,579	127,286	15,037	16,504
Ear, Nose and Throat	2,891	3,012	21,443	22,638	2,068	2,197
Eye	4,707	4,612	42,248	40,558	3,639	3,582
Eye & Ear Infirmary Totals	7,598	7,624	63,691	63,196	5,707	5,779
Combined Out-Patient Department Totals	12,442	12,491	192,270	190,482	20,744	22,283

	1960	*1959*
Total Attendance	225,456	225,256

* Staff & Other — includes Admitting Physician, Glaucoma and Retina Patients, Clinic Consultations, School of Nursing, Staff and House Patients seen in Clinics not included in census figures prior to October 1, 1956.

PHILLIPS HOUSE

	Med.	No. Patients Admitted Surg.	Obstet.	Total	†Births	Total Patients' Days Treatment	Aver. No. Days in Hospital	No. of Operations
1951....	971	1,395	74	2,440	60	28,362	12—	1,252
1952....	1,084	1,527	21	2,632	18	29,009	10+	1,414
1953....	1,096	1,600	0	2,696	0	30,121	11—	1,414
1954....	1,134	1,482	0	2,616	0	30,736	11+	1,312
1955....	1,168	1,528	0	2,696	0	32,266	11+	1,153
1956....	1,269	1,671	0	2,940	0	36,938	12+	1,251
1957....	1,233	1,645	0	2,878	0	36,909	12+	1,386
1958....	1,406	1,647	0	3,053	0	36,396	12+	1,192
1959....	1,453	1,822	0	3,275	0	41,784	12—	1,366
1960....	1,369	2,148	0	3,517	0	40,924	12—	1,487

	1960	*1959*
Average number of patients per day	110	115
Number of beds	132	134
Percentage of beds occupied	83.6%	85.7%
Autopsies	70%	69%
Gross per capita earnings, excluding special nurses	56.50	47.31
Net per capita earnings on special fees excluding board and special nurses	18.91	16.92
Per capita cost of raw food, patients only	1.81	1.84

BAKER MEMORIAL

	Med.	No. Patients Admitted Surg.	Obstet.	Total	†Births	Total Patients' Days Treatment	Aver. No. Days in Hospital	No. of Operations
1951....	1,914	5,121	227	7,262	200	88,826	12+	5,204
1952....	2,007	5,449	164	7,620	139	88,096	11+	5,875
1953....	1,848	5,845	*226	7,919	0	93,496	11+	6,233
1954....	2,144	5,826	*250	8,220	0	98,461	11+	4,765
1955....	2,342	5,753	*285	8,380	0	96,211	11+	4,588
1956....	2,331	5,956	*364	8,651	0	102,484	12—	4,887
1957....	2,459	6,166	*391	9,016	0	102,738	11+	4,954
1958....	2,747	6,181	*368	9,296	0	106,450	11+	4,851
1959....	3,006	6,694	*405	10,105	0	112,351	10+	4,215
1960....	2,866	7,287	*393	10,546	0	119,167	11+	5,359

	1960	*1959*
Average number of patients per day	321	309
Number of beds available	340	339
Percentage of beds occupied	94.4%	91.1%
Autopsies	66.7%	57%
Gross per capita earnings, excluding special nurses	42.06	40.13
Net per capita earnings on special fees excluding board and special nurses	16.40	15.31
Per capita cost of raw food, patients only	1.17	1.21
Average professional fee per patient	130.14	105.92
Average Hospital charge per patient	563.60	469.90
Average Hospital charge per patient, including professional fees, but excluding special nurses	654.56	575.82

*Children's Medical.

†Newborn are not counted as admissions and are therefore not included in census.

COMBINED STATISTICS FOR ALL UNITS FOR 1960

	General Hospital	Baker Memorial	Phillips House	Total
Number of patients admitted	11,547	10,546	3,517	25,610
Number of patient days	134,047	119,167	40,924	294,138
Number of operations	7,015	5,359	1,487	13,861
Average number of patients	361	321	110	792

RADIOLOGICAL DEPARTMENT

General Hospital	*1960*	*1959*
House Patients Examined	19,592	18,195
Out-Patient Department patients examined	12,580	14,176
Emergency Ward patients examined	12,561	11,199
Staff patients examined	3,234	3,759
Total number patients examined	47,967	47,329
X-Ray treatments given (Inc. Baker & Phillips House)	**19,875	*16,834
Number of examinations	67,328	63,208
Total number of examinations and treatments	87,203	80,042

Phillips House		
House patients examined	4,243	3,914
Private patients examined	18	44
Total number patients examined	4,261	3,958
Number of examinations	6,819	6,270
Total number of examinations	6,819	6,270

Baker Memorial		
House patients examined	13,076	12,165
Private patients examined	10,132	8,885
Total number patients examined	23,208	21,050
Number of examinations	33,341	29,045
Total number of examinations	33,341	29,045

* Includes 158 Radium & Isotope cases
**Includes 172 Radium & Isotope cases

Entire Hospital
(Combined Statistics)

Total number patients examined	75,436	72,337
Total number patients treated	1,270	1,393
Total number patients examined and treated	76,706	73,730
Total number examinations	107,488	98,523
Total number treatments and observations	19,703	16,676
Total number of radium & isotopes treatments	172	158
Total number examinations, treatments and observations, radium & isotopes	127,363	115,357

Radium Therapy

Treatments given:	*1960*	*1959*
General Hospital (including Eye and Ear Infirmary)	89	89
Phillips House	6	7
Baker Memorial	77	62
Total number treatments given	172	158

PHYSICAL MEDICINE DEPARTMENT

Physical Therapy

Treatments given:	*1960*	*1959*
Out-Patient Department	982	3,182
General Hospital (including Eye and Ear Infirmary)	18,033	19,194
Phillips House	2,470	2,023
Baker Memorial	3,987	4,700
Private ambulatory patients	3,617	2,593
Total treatments given	29,089	31,692

Occupational Therapy

Treatments given:	*1960*	*1959*
Out-Patient Department	246	419
General Hospital	3,057	9,251
Phillips House	32	154
Baker Memorial	165	320
Private ambulatory patients	234	412
Total Treatments given	3,734	10,556

NURSING DEPARTMENT

	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960
Average No. of Graduates on General Hospital Staff	195	213	203	220	187	194	190	254	249	260
Average No. of Graduates on School of Nursing Staff					42	41	44	46	48	49
Average No. of Graduates on Baker Memorial Staff	86	79	74	80	60	58	60	78	75	70
Average No. of Graduates on Phillips House Staff	56	56	54	55	55	58	62	76	83	84
Average No. Accepted Pupils	292	293	286	282	286	279	267	296	314	237
Average No. Preclinical Students	87	93	83	71	72	68	74	77	66	129
Average Total	716	734	700	708	625	698	697	827	834	829
Total No. Preclinical Students Admitted	158	150	133	143	139	125	186	135	134	148
Preclinical Students Dropped and Resigned	27	19	20	28	21	12	14	6	15	16
Accepted Pupils Dropped and Resigned	21	20	14	6	14	16	18	20	21	31
Total Dropped and Resigned	48	39	34	34	35	28	32	26	36	47
Average No. of Graduates on General Hospital Staff—*Part time	11	7	8	11	11	20	17	18	12	12
Average No. of Graduates on Baker Memorial Staff—*Part time	4	8	5	12	8	10	5	5	7	13
Average No. of Graduates on Phillips House Staff—*Part time	6	3	4	6	9	9	11	5	6	6
Total *Part time graduates	21	18	17	29	28	39	33	28	25	31

*Part time nurses expressed in equivalent of full time.

MASSACHUSETTS GENERAL HOSPITAL

Combined In-Patient Care Income and Cost per Day

	1960	*1959*
Total Number of In-Patient Days	294,138	296,232
Total Income	$15,278,966	$13,826,139
Deduct Non In-Patient Income:		
Other Income	2,667,650	2,436,742
Out-Patient Department	724,574	632,712
Emergency Ward	166,555	131,061
Private Ambulatory	299,130	279,744
	3,857,909	3,480,259
Total In-Patient Income	$11,421,057	$10,345,880
Income Per In-Patient Day	$38.83	$34.92
Total Expenses	$20,739,610	$18,592,022
Deduct Non In-Patient Expense:		
Non-Operating & Research	4,197,337	3,912,442
Non-Patient	1,796,276	1,610,140
Out-Patient Department	1,592,537	1,454,023
Emergency Ward	546,050	396,425
Private Ambulatory	345,892	255,149
	8,478,092	7,628,179
Total In-Patient Expense	$12,261,518	$10,963,843
Cost Per In-Patient Day	$41.69	$37.01

TABLE OF ADMISSIONS, DISCHARGES, AND RESULTS, AT THE GENERAL HOSPITAL, PHILLIPS HOUSE AND THE BAKER MEMORIAL FROM JANUARY 1, 1950 TO OCTOBER 2, 1960

	General Hospital				Out-Patient Department		Phillips House				The Baker Memorial			
		Deaths						Deaths				Deaths		
Year	Admissions	Total Number	Percentage of Total Admitted	Average Daily Census	New Patients	Visits	Admissions	Total Number	Percentage of Total Admitted	Average Daily Census	Admissions	Total Number	Percentage of Total Admitted	Average Daily Census
1951	7,232	514	7.10	291+	15,065	183,667	2,440	66	2.78	78−	7,262	199	2.74	244+
1952	10,547	530	5.02	325−	14,307	177,657	2,632	88	3.34	80−	7,620	194	2.54	242+
1953	10,698	597	5.06	350−	14,955	176,587	2,696	86	3.19	83−	7,919	206	2.60	256+
1954	10,521	585	5.56	350+	15,226	181,774	2,616	76	2.90	84+	8,220	194	2.36	273+
1955	11,586	680	5.86	389−	14,577	173,170	2,697	74	2.74	88+	8,390	243	2.89	264+
1956	11,083	671	6.04	390+	13,079	186,517	2,940	81	2.75	95+	8,651	221	2.55	281+
1957	11,734	778	6.63	367−	13,173	211,205	2,878	75	2.96	98+	9,086	268	2.94	282+
1958	11,890	866	7.28	384+	12,283	216,216	3,053	93	3.05	92−	9,296	279	3.00	292+
1959	11,954	784	6.56	390+	12,491	225,256	3,275	93	2.84	114+	10,105	316	3.13	308+
1960	11,547	843	7.30	361+	12,442	225,456	3,517	100	2.84	114+	10,546	354	3.36	306+

Total number of patients admitted to General Hospital from the year 1821 — 573,263
" " " " " " Phillips House " " " 1917 — 101,894
" " " " " " Baker Memorial " " " 1930 — 209,140

884,297

MASSACHUSETTS GENERAL HOSPITAL — INCOME STATEMENT
THIRTEEN PERIODS ENDING OCTOBER 2, 1960

GROSS EARNINGS AT STANDARD RATE	Total 1959	Total 1960	Phillips House	Baker Memorial	General Hospital	General Hospital O.P.D.	Emergency Ward Treatment	Private Ambulatory	Other
Day Rate Service	$7,875,857.93	$8,781,578.73	$1,535,409.57	$3,590,518.49	$3,593,817.33	.....	.....	.....	61,833.34
Out Patient Adm. Fees	442,945.42	471,264.87	.....	.....	.....	471,264.87	.....	.....	.....
Emergency Ward Fees	124,110.81	153,161.41	.....	.....	.....	.....	153,161.41	.....	.....
Operating Room	1,062,445.92	1,173,150.15	172,559.19	562,788.63	418,632.56	1,727.75	496.75	10,343.95	6,601.32
Anesthesia	453,803.96	509,424.80	95,186.50	269,096.75	142,874.45	233.10	177.25	876.75	980.00
Radiology—Diagnosis	971,758.02	1,134,928.30	143,762.60	292,137.50	316,237.25	155,840.79	89,726.50	133,185.69	4,037.97
Radiology—Therapy	117,353.22	134,988.24	16,555.00	24,500.00	7,255.00	25,972.85	.....	56,997.39	3,708.00
Laboratories	1,128,053.30	1,344,904.11	179,906.45	364,159.10	465,823.24	112,119.14	39,807.71	114,075.00	69,013.47
Basal Metabolism	13,082.20	13,173.50	1,020.00	112.50	967.50	7,069.50	.....	3,879.00	125.00
E K G	74,802.47	84,597.39	8,277.25	15,367.50	40,757.50	6,171.94	8,481.40	2,696.75	2,845.05
Blood Bank	316,938.40	336,436.61	51,074.98	126,928.57	134,368.86	28.70	6,632.55	4.00	17,398.95
Physical Therapy	107,787.49	116,611.95	10,919.50	22,813.50	60,477.77	4,792.40	4.00	18,518.05	(913.27)
Occupational Therapy	17,248.09	5,281.77	83.16	359.00	4,011.31	165.25	.....	673.85	(10.80)
Purchased Service	16,997.81	41,736.18	5,265.80	7,050.56	22,025.09	543.82	2,865.38	22.50	3,963.03
Oxygen Therapy	83,762.77	100,356.50	11,253.13	34,892.94	53,670.84	.....	17.07	.....	522.52
Intravenous Therapy	140,644.34	158,209.73	15,996.00	49,232.00	91,750.00	10.00	440.00	.....	781.73
Central Supply Room	66,346.48	76,527.99	6,369.03	27,880.64	39,174.12	21.61	16.75	15.54	3,050.30
Pharmacy	850,341.26	788,646.23	46,357.29	145,333.63	262,614.63	252,502.42	633.25	(143.10)	81,348.11
Total Earnings from Services to Patients	13,864,279.89	15,424,978.46	2,299,995.45	5,533,171.31	5,654,457.45	1,038,464.14	302,460.02	341,145.37	255,284.72
Deductions from Earnings Charity Allowances	887,841.81	1,579,154.05	13,339.58	63,006.65	1,147,848.16	238,754.05	116,205.61	.....	.....
Other Rebates and Losses	1,091,849.62	1,134,905.24	43,063.06	312,654.38	683,163.01	72,693.26	19,699.78	3,609.75	22.00
Provision for Doubtful Accounts	493,247.57	99,603.76	.....	112,349.75	(66,647.11)	2,442.84	.....	48,532.85	2,925.43
Total Deductions	2,472,939.00	2,813,663.05	56,402.64	488,010.78	1,764,364.06	313,890.15	135,905.39	52,142.60	2,947.43
Net Earnings from Services to Patients	11,391,340.89	12,611,315.41	2,243,592.81	5,045,160.53	3,890,093.39	724,573.99	166,554.63	289,002.77	252,337.29
Dietary	338,739.71	364,464.76	.....	.....	.....	.....	.....	.....	.....
Miscellaneous Income	2,096,058.18	2,303,185.78	.....	.....	.....	.....	.....	.....	.....
Total Hospital Earnings	13,826,138.78	15,278,965.95	.....	.....	.....	.....	.....	.....	.....

MASSACHUSETTS GENERAL HOSPITAL

Income and Expense Statement

Summary

Operating Income	*Total 1960*	*Total 1959*
Earnings from services to patients		
Private Patients	$2,299,995	$2,113,248
Semi-Private Patients	5,533,171	4,738,004
Ward Patients	5,654,457	5,242,088
Out-Patient Department	1,038,464	960,357
Private Ambulatory	351,272	282,576
Emergency Ward	302,460	223,869
Other	245,159	304,138
Total Earnings From Services to Patients	$15,424,978	$13,864,280
Less:—Deductions from earnings:		
Charity Allowances	$1,552,029	$ 887,842
Other Rebates and Losses	1,162,030	1,091,850
Net Provision for Doubtful Accounts	99,604	493,247
Total Deductions from Earnings	$2,813,663	$2,472,939
Net Earnings From Services to Patients	12,611,315	11,391,341
Other Income	2,667,651	2,434,798
Total Income	$15,278,966	$13,826,139
Operating Expenses		
Professional Care of Patients	$12,049,183	$10,689,294
Dietary Expenses	1,568,535	1,477,385
Housekeeping	741,428	635,556
Laundry & Linen	378,388	281,200
Plant Operation & Maintenance	1,438,923	1,724,527
Other Non-Patient Expenses	312,776	487,148
Total Operating Expenses	$16,489,233	$15,295,110
Net Operating Deficit	1,210,267	1,468,971
Add:—Non-Operating & Research Expenses	4,924,535	3,283,109
Net Deficit	6,134,802	4,752,080
Available From Treasurer For Expenses At Hospital	5,587,883	4,645,910
Final Deficit—Withdrawn From General Fund Principal	$ 546,919	$ 106,170

MASSACHUSETTS GENERAL HOSPITAL

STATEMENT OF STOCK ON HAND OCTOBER 2, 1960 AND SEPTEMBER 27, 1959

	Oct. 2 1960	*Sept. 27, 1959*
General Hospital Apothecary Out-Patient Department Apothecary	$209,282.77	$327,004.54
General Hospital Upper Store	253,204.45	165,672.51
General Hospital Lower Store	29,553.90	29,114.12
General Hospital Maintenance	75,952.50	80,119.67
General Hospital Postage	2,438.50	1,278.74
General Hospital Print Shop	4,240.48	7,698.73
Other	178,063.94	57,342.62
Total Stock on Hand	$752,736.54	$668,230.93

Report of the Treasurer

In accordance with Article 5 of the By-Laws, the Annual Report of the Treasurer for the fiscal year ending September 30, 1960, approved by Patterson, Teele & Dennis, Auditors, is respectfully submitted.

THE MASSACHUSETTS GENERAL HOSPITAL
CONDENSED YEAR-END BALANCE SHEET

	Sept. 30, 1960	*Sept. 30, 1959*
ASSETS		
CASH	$ 2,086,050.00	$ 3,517,256.01
INVESTMENTS		
Bonds	16,564,804.14	14,239,084.08
Stocks	12,974,988.79	12,203,477.13
Notes and Commercial Paper	2,010,005.27	2,074,262.07
Real Estate	248,847.63	259,447.63
ACCOUNTS RECEIVABLE — PATIENTS AND OTHERS (Less Allowance for Doubtful Accounts)	4,472,909.74	3,735,870.48
NOTES RECEIVABLE	295,732.25	246,984.90
INVENTORIES OF SUPPLIES — AT ESTIMATED COST	822,589.93	731,261.41
PREPAID ITEMS	130,733.40	61,357.72
INTEREST IN MISCELLANEOUS ASSETS	14.00	11.00
PLANT Less Depreciation	17,551,031.04	20,985,591.68
CONSTRUCTION IN PROGRESS	1,629,838.47	323,332.01
	$58,787,544.66	$58,377,936.12
LIABILITIES		
ACCOUNTS PAYABLE AND ACCRUALS	$ 681,553.74	$ 730,955.83
PENSION RESERVES	330,120.19	268,155.49
W.C.A. AND REPAIR RESERVES	166,670.79	71,595.65
GENERAL FUND		
Treasurer's Account	(109,699.35)	453,154.01
Director's Account	4,320,972.45	3,485,030.90
GENERAL HOSPITAL ENDOWMENT FUNDS		
Unrestricted as to Income	5,086,954.36	4,972,860.61
Restricted as to Income	16,224,625.50	15,861,644.27
McLEAN HOSPITAL FUNDS		
General Fund		
Treasurer's Account	(383,625.47)	(158,991.89)
Director's Account	475,735.30	347,833.79
Endowment Funds	880,513.28	732,958.09
BUILDING FUNDS	2,375,673.15	979,944.03
FIDUCIARY FUNDS	540,127.62	423,978.20
FUNDS INVESTED IN PLANT	17,551,031.04	20,985,591.68
TEMPORARY FUNDS		
General Hospital	2,667,592.72	2,355,310.36
McLean Hospital	393,052.33	227,258.72
Fiduciary	9,667.68	6,183.64
GENERAL INVESTMENT PROFIT AND LOSS ACCOUNT	7,576,579.33	6,634,472.74
	$58,787,544.66	$58,377,936.12

THE MASSACHUSETTS GENERAL HOSPITAL

GENERAL HOSPITAL

CONDENSED INCOME STATEMENT

(for fiscal year ending Sept. 30)

	1959-60	*1958-59 (a)*
TREASURER'S RECEIPTS		
GIFTS		
Unrestricted	$ 217,789.00	$ 241,355.00
Annual Free Beds	2,659.00	2,250.00
Restricted	4,181,555.75	2,988,765.74
	$4,402,003.75*	$3,232,370.74*
INCOME FROM INVESTMENTS		
Unrestricted	300,995.46	'328,551.88
Restricted	1,025,788.11	973,126.29
	$1,326,783.57	$1,301,678.17
OTHER INCOME		
From Trusts and Agents	9,226.01	8,003.20
Contributions for Connecting Building	10,413.00	10,413.00
Huntington Memorial Hospital	20,706.87	19,928.87
Miscellaneous	255,795.49	232,731.89
	$ 296,141.37	$ 271,076.96
TOTAL	$6,024,928.69	$4,805,125.87
RESTRICTED INCOME NOT APPLIED	312,282.36	98,474.96
	$5,712,646.33	$4,706,650.91
PAYMENTS FROM INCOME		
Added to Principal	59,647.08	39,161.20
Treasurer's Payments From Funds and Miscellaneous	65,115.88	21,579.38
	$ 124.762.96	$ 60,740.58
TREASURER'S BALANCE AVAILABLE FOR EXPENSES AT HOSPITAL	$5,587,883.37	$4,645,910.33
HOSPITAL EXCESS OF EXPENSES	$6,065,025.34	$4,752,080.40
DEFICIT WITHDRAWN FROM GENERAL FUND PRINCIPAL	$ 477,141.97	$ '106,170.07

* Includes Community Fund Allocation of $202,439.00 for 1959/60 and $225,905.00 for 1958/59.

(a) Restated for comparative purposes.

THE MASSACHUSETTS GENERAL HOSPITAL
McLEAN HOSPITAL
CONDENSED INCOME STATEMENT

(for fiscal year ending Sept. 30)

	1959-60	*1958-59 (a)*
TREASURER'S RECEIPTS		
GIFTS		
Unrestricted	$ '135.00	$ 0
Restricted	423,768.64	92,125.59
	$423,903.64	$ 92,125.59
INCOME FROM INVESTMENTS		
Unrestricted	11,919.83	12,391.49
Restricted	42,813.43	40,764.51
	$ 54,733.26	$ 53,156.00
OTHER INCOME		
From Trusts and Agents	$ 5,090.00	$ 4,660.00
Miscellaneous	17,848.07	3,748.20
	$ 22,938.07	$ 8,408.20
TOTAL	$501,574.97	$153,689.79
RESTRICTED INCOME NOT APPLIED	165,793.61	(56,004.89)
	$335,781.36	$209,694.68
PAYMENTS FROM INCOME		
Added to Principal	$ 119.09	$ 100.03
Expenses Paid from Funds	15,811.96	6,788.22
	$ 15,931.05	$ 6,888.25
TREASURER'S NET RECEIPTS	$319,850.31	$202,806.43
HOSPITAL EXCESS OF EXPENSES	425,945.18	265,924.57
DEFICIT—WITHDRAWN FROM FUNDS	$106,094.87	$ 63,188.14

(a) Restated for comparative purposes.

GENERAL FUND

	Income	Principal
FOR ANY HOSPITAL PURPOSE		$ –109,699.35

GENERAL HOSPITAL FUNDS

	Income	Principal
FLORENCE M. AGOOS MEMORIAL FUND For developing and furthering medical research and scientific medical knowledge through research and teaching. Bequest of Solomon Agoos		$10,000.00
PHILIP R. AND ANNE L. ALLEN ENDOWMENT FUND Income for any Hospital Purpose.		50,000.00
ANESTHESIA FUND Income to be used to supply laboratory facilities or such other advantages as the Trustees may determine for the Chief of the Anesthesia Department.		38,360.11
MARTHA B. ANGELL FUND For medical and surgical experimentation on animals to the end of saving human lives.		34,040.82
ARCHIVES, PICTURES AND HISTORICAL RELICS FUND "The income of which shall be used for the continuous and better care of hospital archives, pictures and historical relics pertaining to both the General Hospital and the McLean Hospital."	$ 3,638.76	8,051.00
JOHN ASHTON FUND For diseased and wounded soldiers.		29,381.00
THE JOSEPH C. AUB FUND Income to be spent for Cancer Investigation.	2,361.70	17,461.17
BAKER MEMORIAL FUND For the Baker Memorial. Sundry Bequests.		104,108.78
BAKER MEMORIAL ASSISTANCE FUND Income to help pay the hospital expenses of such individual patients of small means as are believed to have incurred hospital expenses greater than they anticipated at the time of entering the Hospital,—but not limited to such cases. Disbursements to be made on recommendation of staff member in charge of patient approved by Committee designated in will. Income may also be used to purchase apparatus suitable for handling fractures and operations. Bequest of Miss Carrie M. Jameson $5,601.20 Sundry Gifts 320.00	2,931.30	5,921.20

GENERAL HOSPITAL FUNDS (Continued)

	Income	Principal
LILLIAN DOBIE BALBONI MEMORIAL FUND Income for a Free Bed or for any other purpose the Trustees of the Hospital may think best. Sundry Gifts.	$3,584.34	$38,202.37
ARTHUR W. BLAKE FUND Income for the study and cure of nervous diseases.	–685.72	25,000.00
GEORGE WASHINGTON WALES BREWSTER MEMORIAL FUND Income for any Hospital purpose. Bequest of Mrs. George W. W. Brewster $5,000.00 Sundry Gifts 1,289.02		6,289.02
ANNIE BOLTON MATTHEWS BRYANT FUND Income for the benefit of people with moderate means for the establishment of free beds if the management believes it advisable, otherwise for general use.		72,093.70
ARTHUR TRACY CABOT FUND Income for support of laboratories.		20,000.00
RICHARD C. CABOT FUND For educational purposes in connection with the work of the Social Service Department.	2,398.99	47,655.02
RICHARD C. CABOT MEDICAL SOCIAL LIBRARY FUND Income "to be used for the purchase of books for the Social Service Library under the direction of Chief of Social Service." Gift of American Association of Hospital Social Workers.	55.12	1,010.00
SAMUEL CABOT FUND FOR PATHOLOGICAL INVESTIGATION Income for salary of Surgical Pathologist. Gift of Samuel and Dr. Arthur T. Cabot.		10,000.00
CANCER RESEARCH ENDOWMENT FUND For Research in Cancer.	–1,907.77	132,645.00
MASSACHUSETTS GENERAL HOSPITAL CHAPEL FUND Gifts of "Friends of the Hospital".	3,060.17	6,913.48
MASSACHUSETTS GENERAL HOSPITAL ENDOWMENT FUND FOR THE STUDY OF CHRONIC DISEASES Income for research work under the direction of Dr. Walter Bauer. Principal may be expended with the approval of Dr. Bauer up to $50,000.		692,386.82
CLINICAL LABORATORY FUND Income for Clinical Laboratory. Bequest of Mrs. Grace M. Kuhn.		10,000.00

GENERAL HOSPITAL FUNDS (Continued)

	Income	Principal
CONNECTING BUILDING FUND ..... Income for Connecting Building.		$10,000.00
CONVALESCENT HOSPITAL FUND ..... For the Convalescent Hospital	$ –41,731.15	359,115.08
LORETTA JOY CUMMINS FUND ..... For general purposes of the Hospital, but preferably for the Skin Department.	1,147.63	31,000.00
THE CUSHMAN FUND ..... Income for the Social Service of the Hospital. Gift of Mrs. Charles F. Cushman.	183.44	5,000.00
MIRIAM F. AND ADELINE F. CUTTER FUND "To be used for women in illness especially the aged who have been accustomed to gentle care."		10,000.00
CAROLINE ENGSTROM DAHL FUND ..... Income to be used for maintenance of the Research Building; principal expendable within the intent of the bequest at the discretion of the Trustees. Bequest of Mr. Richard Engstrom.		101,170.00
JOHN CALL DALTON AND EDWARD BARRY DALTON FUND ..... Income for investigation in the science of medicine.	8,543.28	35,500.00
CHESTER H. DAVIS FUND ..... Income for "the care, maintenance and medical treatment of crippled and deformed white children between the ages of six months and ten years."		20,000.00
DR. WALTER J. DODD MEMORIAL FUND Income for X-Ray investigation.	2,826.11	31,847.91
THE BESSIE ROCHESTER EDWARDS MEMORIAL FUND ..... Income for the care and treatment of men who have served or are serving in the armed forces of the United States of America. Gifts of		66,164.36
Trustees of The Bessie Rochester Edwards Memorial Foundation $55,914.20		
Disabled Ex-Servicemen's Exchange, Inc. 10,250.16		
EDWARDS MEMORIAL FUND ..... Until such time as the Trustees of the Hospital shall direct otherwise, the income on $100,000 to be used in such manner as said Trustees may deem proper for medical or surgical research.		391,547.56
Bequest of Miss Grace M. Edwards 391,447.56		
Sundry Bequests 100.00		

GENERAL HOSPITAL FUNDS (Continued)

	Income	Principal
JOHN W. ELLIOT FUND ..... Income for investigation in the science of medicine, preferably in the Surgical Department. The income may be used for other purposes in case there is no further demand in this direction.	$2,158.83	$20,114.22
ISABELLA H. ELLISON FUND ..... Income for the general purposes of the Baker Memorial.		89,753.16
SARAH POTTER EVARTS FUND ..... For psychiatric social work. Gifts of Mrs. Prescott Evarts and Dr. Helen W. Evarts.	278.33	1,398.42
FRANCES FAY AND ARTHUR KELSEY FAY MEMORIAL FUND ..... Income primarily for care and treatment of persons suffering from or threatened with chronic epilepsy in cases requiring special study. Gift and bequest of James H. Fay.	1,621.35	25,000.00
EDITH S. AND FRANCES B. FISHER MEMORIAL FUND ..... To be used both as to principal and any income to purchase therapeutic appliances for needy crippled or deformed patients as directed by the social service department.		80,000.00
FREE BED FUNDS ..... Income for Free Beds. Sundry Gifts and Bequests.	876.19	4,434,074.60
GENERAL SURGERY FUND ..... Income to be used for general surgery purposes under the direction of the Chief of General Surgery. Principal expendable in need.	4,339.78	40,751.32
MRS. JOHN CHIPMAN GRAY FUND ..... For the purchase of books in foreign languages for the use of patients.	851.94	1,000.00
ALLAN W. HAMILTON FUND ..... For medical services in the Outpatient Department.		2,027.03
ABIGAIL R. HAZELTINE FUND ..... Income unrestricted until the establishment of a cancer or incurable ward, then to the maintenance of same; principal may be applied toward a building for this purpose. Bequest of Miss Harriet S. Hazeltine.		10,000.00
THE WILLIAM HILTON FUND ..... "To be invested as a separate fund, and called 'The William Hilton Fund,' the income thereof to be applied for the support of free beds or otherwise, as the trustees shall from time to time deem best, for the poor suffering from disease or injuries."		50,053.58

GENERAL HOSPITAL FUNDS (Continued)

	Income	Principal
CHARLES W. HOLTZER FUND		$ 41,666.67
Income for general research work.		
INCOME UNRESTRICTED FUNDS		4,378,521.25
Income for any Hospital purpose.		
Sundry Gifts and Bequests.		
JAMES MARSH JACKSON MEMORIAL FUND		25,797.20
Income for occupational work or for general purposes.		
Gift through Trustees of the James Marsh Jackson Memorial Fund.		
THE CHESTER MORSE JONES HOUSE STAFF EDUCATIONAL FUND	$ 1,831.58	40,000.00
Income only to be spent to increase the educational opportunities for the House Staff through contact with eminent men in the field of medicine either at the Hospital or away.		
DANIEL FISKE JONES MEMORIAL FUND	422.76	11,850.00
Income to extend and improve the education of surgical residents and interns.		
CATHERINE PEIRCE KELLEY FUND	105.98	44,000.00
Income for support and maintenance of a Free Bed for Women . . . aiding those who are most in need of aid.		
Bequest of Miss Grace Fletcher Kelley.		
THE JOSEPH P. KENNEDY, JR. LABORATORIES FUND	10,300.75	500,000.00
To bring to the Laboratories the best possible Research men with an interest in mental retardation.		
MARGERY AMORY KETCHUM MEMORIAL FUND	3,072.19	21,734.14
Income only to be spent on Cancer Research u/d of Dr. Joseph C. Aub so long as he is actively connected with the Hospital; thereafter for cancer research at the discretion of the Trustees.		
Sundry Gifts.		
EMMA GILDERSLEEVE LANE FUND	−115.68	20,000.00
For cancer research, "preferring but not requiring that this legacy be kept as capital and only its income used for research in cancer."		
THE ISABEL FABYAN LOMBARD FUND		5,000.00
For the comfort and/or entertainment of Nurses in the Hospital.		
THE MALLINCKRODT FUND		392,499.03
Income only to be used for the support of the Mallinckrodt Ward (Ward 4) with limited discretion to the Trustees in case this support is no longer needed.		

GENERAL HOSPITAL FUNDS (Continued)

	Income	Principal
THE FRANCIS COGSWELL MANNING FUND Income for research work under the direction of Chief of the Medical Service. Bequest of Mrs. Annie F. Selfridge ..... $10,000.00 Sundry Gifts 190.00	$2,287.23	$10,190.00
THE CAPTAIN MARTELL FUND ..... "The interest to be used for the annual purchase of a book or books for the Warren Library, these books to be seafaring stories with the story of Captain Martell pasted on the inside cover of each one."	75.78	121.36
MASSACHUSETTS GENERAL HOSPITAL SCHOOL OF NURSING GRADUATE NURSES SCHOLARSHIP FUND ..... Income for Graduate Nurse Scholarships Gift of Miss Annabella McCrae	211.91	500.75
JAMES HOWARD MEANS FUND ..... To be used under the direction of the Chief of Medical Service primarily towards bringing to the Hospital on a pro tempore basis physicians or other prominent persons whose presence will aid and advance the work of the Medical Service.	1,060.26	30,050.00
JAMES C. MELVIN FUND ..... Subject to certain annuities, income for any purpose of the Corporation, with nonobligatory suggestion for increasing medical knowledge, assisting persons particularly the young who have had hospital treatment, bettering treatment in country districts and co-operating with the Trustees under the Will of James C. Melvin. Bequest of Mrs. Clara M. Melvin.		671,811.13
MEMORIAL FUND TO THE DOCTORS AND NURSES WHO DIED IN THE WAR OF 1917-18 ..... Income for the general purposes of the Hospital, but preferably for free care of patients. Gift of Base Hospital No. 6 Fund through the Ladies' Visiting Committee.		6,189.47
ALBERT G. MITCHELL FREE BED FUND .... Income for the treatment of cancer with nonobligatory suggestion that use of the bed be given to members of the Department of Music in the Boston Public Schools, or otherwise for the use of the teachers of said schools. Bequest of Albert G. Mitchell $4,055.53 Sundry Gift 25.00		4,080.53

GENERAL HOSPITAL FUNDS (Continued)

	Income	Principal
THE MIXTER FUND ". . . the income only to be expended under the direction of Dr. W. Jason Mixter, during his life, and thereafter by the Chief of the Neurosurgical Service." Sundry Gifts.	$5,024.59	$ 68,887.37
FORRIS JEWETT MOORE AND EMMA BAKER MOORE FUND Income for Hospital uses for the alleviation of human suffering.		76,143.32
FANNIE EDSON MORRISON FUND "Income . . . for the support of the Social Service Department."		711,320.97
FRANCIS A. NEWELL ENDOWMENT FUND Income to be used "for the most approved method of treating hip disease due to accident in indigent children."	2,500.86	50,000.00
NORTH END DIET KITCHEN RESTRICTED FUNDS "Income to provide diet for the sick poor." Sundry Gifts and Bequests.		11,366.78
NORTH END DIET KITCHEN UNRESTRICTED FUNDS "To provide diet for the sick poor." Sundry Gifts and Bequests.		34,716.65
FLORENCE NUTE FUND To be "used on behalf of patients with slender or no means with which to meet Hospital expenses." Bequest of Lewis W. Nute.		68,278.57
DR. ALICE IRENE OUTHOUSE MEMORIAL FUND Income to be used for the purchase of pediatric literature for the Treadwell Library. Sundry Gifts.	45.00	530.00
OUTPATIENT DEPARTMENT FUND Income for needy patients. Bequest of Miss Louie Long.	–.67	3,469.71
EMERETTE O. PATCH FUND For the use of the Baker Memorial.		8,240.84
PATHOLOGICAL LABORATORY AND RANDALL FUNDS Income for Pathological Laboratory. Sundry Gifts and Bequests.		83,875.41
JACOB C. R. PEABODY AND ELSA MASON LORD PEABODY MEMORIAL FUND Income for the Phillips House. Bequest of Mrs. Elsa Mason Lord Peabody.	338.12	35,265.40

GENERAL HOSPITAL FUNDS (Continued)

	Income	Principal
PHILLIPS HOUSE NURSES LOAN FUND ..... Income for loans to Phillips House nurses. Sundry Gifts.	$2,026.15	$ 2,190.00
MARY GOVE PITMAN FUND FOR UROLOGICAL RESEARCH ..... Income for investigation— *First*: Of the cause, treatment and prevention of recurrence of urinary stones, and *Second*: Of any other pathological or physiological problems encountered in urological surgery which are deemed worthy of investigation, the decision as to their importance to be made by a Committee appointed by the Trustees of the Hospital.	1,580.32	21,051.38
NEAL RANTOUL FUND ..... Income for any Hospital purpose. Gift of Neal Rantoul.		100,000.00
JOHN REDMAN FUND ..... Income for any purpose except erection or repairs of buildings.		455,113.34
RESEARCH AND TEACHING FUND ..... Income for research and teaching.		141,475.84
EDWARD PEIRSON RICHARDSON LECTURESHIP IN MEDICAL SCIENCE ..... "The income to be used to provide honoraria for lectures by visiting scientists, preferably in subjects relating to surgery —" Gifts of Dr. Richardson's Sons in Memory of their Father.	4,886.67	15,000.00
JOHN FYFFE RICHARDSON MEMORIAL FUND ..... Income only to be spent by the Trustees on recommendation of the Chief of the Huntington Memorial Laboratories or the senior cancer investigator preferably for leukemia research or related areas of cancer research. 5% of income to be added to principal each year until the fund reaches $400,000.	4,131.08	27,879.70
MAURICE HOWE RICHARDSON FUND ..... Income for surgical research, as recommended by the Chiefs of the General Surgical Staff. Gifts of	2,812.63	40,400.00
Dr. Daniel Fiske Jones $25,200.00		
Dr. Edward P. Richardson 5,000.00		
Mrs. Maurice Howe Richardson 5,000.00		
Sundry Gifts 5,200.00		
RICHARDSON TUBERCULOSIS FUND ..... "For the prevention or cure of tuberculosis." Bequest of Mrs. Mary Rich Richardson		276,141.63

GENERAL HOSPITAL FUNDS (Continued)

	Income	Principal
RUSSELL ROBB MEMORIAL FUND ..... Income for the general purposes of the Hospital.		$ 10,000.00
ELSIE M. ROBBINS SOCIAL SERVICE FUND For social service purposes in the Arthritis Clinic.	$ 295.40	11,371.90
WILLIAM MILTON ROSE, M.D., MEMORIAL FUND ..... Income for the benefit of worthy needy persons.	5,393.36	44,766.46
MARY ELIZABETH SALTONSTALL FUND .... Income for the Social Service of the Hospital, "preference being given for the help and care of little children". Bequest of Philip L. Saltonstall.		5,000.00
MARTHA A. SARGENT FREE BED FUND Income for Free Beds in the Women's Department. Bequest of William A. Sargent.		1,042,816.18
SCHOOL OF NURSING SCHOLARSHIP FUND For scholarships at the School of Nursing.	109.54	3,779.15
THE CHARLES L. SCUDDER FUND ..... Income for the Fracture Service. Bequest of Miss Elizabeth M. Garritt.	8,462.14	30,000.00
GEORGE C. AND ANNE H. SHATTUCK FUND ..... Income for music at the General Hospital annually on Christmas Day and Easter Sunday. Surplus income may be used for music on other days, including radio. Gift of Dr. Frederick C. Shattuck.	693.93	2,000.00
THE TERRY SHUMAN MEMORIAL FUND Income for additions to the Library of the Neurology Department of books on research, periodicals, reports or publications, etc.	61.39	1,220.10
EMMA H. SLADE FUND ..... For any Hospital purpose, but preferably to provide particularly for those in the middle ranks of life who need such care.		10,195.20
SOCIAL SERVICE FUND ..... Income for Social Service.		111,015.15
THE CHARLES CHESLEY SPRINGER FUND "Income for the relief of soldiers, sailors or marines who have been in the military service of the United States and who are residents of Massachusetts, and for the relief of their families. If at any time there should not be any soldiers, sailors, marines or their families requiring such relief, the income may be applied to any of the purposes of the Hospital." Bequest of Miss Mary W. Springer.		345,020.58

GENERAL HOSPITAL FUNDS (Continued)

	Income	Principal
STAFF MEMORIAL FUND Income to be expended by direction of the General Executive Committee. Sundry Gifts.	$ 952.30	$ 3,811.00
SURGICAL INSTRUMENT FUND Income for special surgical instruments. Gift of J. Arthur Beebe ..... $5,000.00 Sundry Gifts 1,475.00	960.26	6,475.00
GEORGE N. TALBOT FUND Income for Children's Medical Department as directed by Chief of Service. Bequest of George N. Talbot and Gifts of Dr. Fritz B. Talbot.	671.54	9,240.78
MRS. NATHANIEL THAYER FUND Income to be used "preferably for the Social Service Department."		10,000.00
ANNIE A. LONGFELLOW THORP MEMORIAL FUND Income for Warren Library. Sundry Gifts.	2,276.26	3,450.00
TRAINING SCHOOL FOR NURSES FUND Income for Training School for Nurses. Sundry Gifts and Bequests.		40,037.92
TREADWELL LIBRARY FUND Income for the Treadwell Library. Bequest of Dr. J. G. Treadwell $5,000.00 Sundry Gifts and Bequests 2,555.00	711.95	7,555.00
LAWRENCE TUCKER FUND So far as expedient for the treatment and alleviation of venereal diseases, and otherwise for the general purposes of the Hospital.		429,753.01
UROLOGICAL PERIODICALS FUND Income for purchase of urological periodicals for Staff Room of Urological Ward. Gift of Dr. Channing S. Swan.	304.25	1,000.00
FRANCES KNOWLES WARREN FUND Income for the General Purposes of the Hospital; principal available in emergency. Bequest of Mrs. George E. Warren.		30,000.00
WARREN LIBRARY FUND Income for books for patients. Sundry Gifts and Bequest.	1,584.56	5,067.19
DEPENDENCE S. AND WALTER B. WATERMAN FUND "Income to be applied to the care of those who can pay something but not all." Bequest of Walter Bowen Waterman.		134,573.62

GENERAL HOSPITAL FUNDS (Continued)

	Income	Principal
GEORGE ROBERT WHITE FUND To be held as a permanent fund to be known as the George Robert White Fund, the income only to be used first for the maintenance and equipment of the George Robert White Memorial building and second for the general purposes of the Hospital. Bequest of Mrs. Harriet J. Bradbury		$3,135,230.07
GEORGE ROBERT WHITE FUND "Income for development or maintenance of a department for treatment of diseases of the skin." Bequest of George Robert White		100,000.00
DR. JAMES C. WHITE NEUROSURGICAL FUND Income to be added to principal until the fund reaches $5,000; thereafter 50% shall be added until the fund reaches $10,000; and thereafter 25% to $50,000. Income not so added to principal to be used in the interest and promotion of neurosurgery under the direction of Dr. James C. White.		834.23
GEORGE WIGGLESWORTH FUND Ten per cent of gross income in each year to be added to principal; net income remaining for the general purposes of the Corporation.		56,953.38
WOODEN LEG FUND Income for wooden legs and other devices for diseased and injured legs. Bequest of Nathaniel I. Bowditch $5,000.00 Sundry Gifts 2,600.00	$ 288.09	7,600.00
TEMPORARY FUNDS Special Purposes Endowment Income Undistributed to Funds	2,379,974.79 227,554.41	
TOTAL GENERAL HOSPITAL FUNDS	$2,669,424.30	$21,209,161.09

BUILDING FUNDS

GENERAL BUILDING FUND For any construction.	$ 109,762.63
CLINICS BUILDING FUND	431,261.23
150TH ANNIVERSARY FUNDS	379,923.49
ORTHOPEDIC RESEARCH LABORATORY FUND	289,497.43
PHILLIPS HOUSE CONSTRUCTION FUND	570,375.36
STORROW HOUSE CONSTRUCTION FUND	65,000.00
SUNDRY FUNDS	529,853.01
TOTAL BUILDING FUNDS	$2,375,673.15

McLEAN HOSPITAL FUNDS

	Income	Principal
EDWARD STANLEY ABBOT MEMORIAL FUND ..... For scientific investigation at McLean Hospital.	$913.09	$ 10,000.00
AMUSEMENT, ENTERTAINMENT OR OCCUPATION FUND ..... Income for amusement, entertainment or occupation of patients. Sundry Gifts and Bequests.		$ 21,135.00
WENTWORTH HIGGINSON BARNEY FUND Income to be spent at the discretion of the Director. Gift of Dr. J. Dellinger Barney. $1,500.00 Income added 258.65		3,284.54
EMILY H. BOURNE FUND Income for the training of nurses in mental nursing and to aid in the prevention and cure of deafness.		10,000.00
CLINICAL RESEARCH FUND ..... Income for research. Sundry Gifts and Bequests.		86,081.31
THE ISOBEL COLLINS SPECIAL FUND FOR THE LIBRARY OF McLEAN HOSPITAL .. Income for the purchase of books, music, and other things appropriate to the building up of a musical alcove for the library. Gift of Frank W. Kimball.		1,075.90
COWLES-TUTTLE MEMORIAL ART FUND .. Income for Art Room.	$1,750.03	5,000.00
SAMUEL ELIOT MEMORIAL CHAPEL FUND For maintenance and operation of Chapel.		10,904.84
FREE BED FUNDS ..... Income for Free Beds. Sundry Gifts and Bequests.		354,937.45
GENERAL FUND ..... For any Hospital purpose.		–383,625.47
INCOME UNRESTRICTED FUNDS ..... Income for any Hospital purpose. Sundry Gifts and Bequests.		171,205.24
ANNABELLA McCRAE SCHOLARSHIP FUND Income for Scholarships for the School of Nursing	1,572.74	4,127.20
WETHERILL FUND ..... The income only to be used for the Wetherill Awards to graduates of the McLean Hospital School of Nursing. Gift of Dr. E. Stanley Abbott.		2,000.00

McLEAN HOSPITAL FUNDS (Continued)

	Income	Principal
MARY JESSIE WILLIS MEMORIAL FUND To establish a free bed in memory of Mary Jessie Willis, to furnish luxuries, comforts and amusements to such insane women patients as may be unable to provide the same for themselves, and generally for the uses of the Hospital. Bequest of Mrs. Frances H. Willis.		$ 24,283.63
BUILDING FUND		176,320.00
TEMPORARY FUNDS		
Special Purposes	$380,729.88	
Endowment Income Undistributed to Funds	8,086.59	
TOTAL McLEAN HOSPITAL FUNDS	$393,052.33	$496,729.64

FIDUCIARY FUNDS

BOWDITCH HISTORY FUND For the publication of a history of the Hospital. Bequest of N. I. Bowditch.		$ 2,000.00
BULLARD ANNUITY FUND	$ −562.86	100,000.00
BETTY DUMAINE FUND To be held until accumulated income plus additions reach $100,000, then one-half of income to be added to principal and balance used for such Hospital purposes as Trustees deem best.		3,233.51
EYEGLASS FUND Income payable to a life interest. Bequest of Frances A. Burnham.		2,282.00
FOSTER FAMILY FUND "Income to be used to pay the hospital bills of patients nominated by the donor or his wife. After their decease the power of nomination shall descend in succession to their oldest child living, then grandchild. Thereafter, or in case the line of descent shall cease, the income shall be for the unrestricted uses of the Hospital." Gift of C. H. W. Foster.	6,370.26	15,000.00
MABEL HOVEY HARRIS MEMORIAL FUND "In Memory of Mrs. Henry W. Harris" Income to be used at the discretion of the Ladies' Visiting Committee for the benefit of the Hospital and its patients. Gift of Mr. and Mrs. Edwin S. Webster.		5,375.00
SARAH PROCTOR JOSLIN FUND Income to be expended by the Ladies' Visiting Committee for books and other articles.		1,000.00

FIDUCIARY FUNDS (Continued)

	Income	Principal
MARION LEE LAWRENCE MEMORIAL FUND Income to be administered by the Ladies' Visiting Committee, or by any subcommittee duly authorized by them, for the benefit of the Hospital and its patients. "Given by Her Family and Friends."		$ 10,943.00
FANNIE NEWELL SIMES FUND Income payable to a life interest. Gift of Miss Olive Simes.		20,000.00
MASSACHUSETTS GENERAL HOSPITAL SCHOOL OF NURSING ENDOWMENT FUND Income to be used as directed by vote of the Committee created under the Deed of Gift.		274,017.96
ANNIE NORTON WARD FUND For charitable purposes connected with the Hospital pursuant to the vote of the Ladies' Visiting Committee.		1,000.00
WARREN PRIZE FUND Income for a triennial prize. Bequest of Dr. J. Mason Warren.	$2,028.70	11,889.84
KATHARYN HOYT WATSON FUND For use of the Ladies' Visiting Committee.		1,000.00
Suspense and Special Funds		3,306.23
TOTAL FIDUCIARY FUNDS	$7,836.10	$451,047.54

SUMMARY

Principal Funds	$24,422,912.07
Temporary Funds	3,070,312.73
Funds Invested in Plant	25,254,832.72
Director's Accounts	4,796,707.75
	$57,544,765.27
Gain	191,657.02
Funds	$57,736,422.29

Examination of Accounts

March 6, 1961

To the Trustees
The Massachusetts General Hospital
45 Milk Street
Boston, Massachusetts

Sirs:

We have examined the balance sheet of The Massachusetts General Hospital as at September 30, 1960 and the related income statements of the General Hospital and McLean Hospital for the period ended October 2, 1960 (53 weeks). Our examination was made in accordance with generally accepted auditing standards, and accordingly included such tests of the accounting records and such other auditing procedures as we considered necessary in the circumstances.

As a result of changes in requirements of the Massachusetts Division of Hospital Costs and Finances pertaining to depreciation as an element of reimbursable cost under third party contracts, the plant accounts and related allowances for depreciation of the General Hospital Group have been adjusted as of October 1, 1959 to reflect actual costs of plant assets acquired and accumulated depreciation thereon based on useful lives of such assets. The adjustment resulted in a net decrease in funds invested in plant as of October 1, 1959 in the amount of $3,118,324.23. Depreciation for the year ended September 30, 1960 is accordingly based on such restated plant costs and results in a provision approximately $287,350 less than an amount computed on the previously adopted basis of a percentage of patient care expenses.

Under the terms of pension plans adopted by the hospital, the hospital's portion of benefits payable to employees compensated from general operating funds of the hospital will be charged against operations as such benefits are paid. No provision has been made in the accompanying financial statements for the amount of the hospital's liability at September 30, 1960, for service benefits accruing to employees paid from general operating funds.

Subject to the explanations noted above, in our opinion, the accompanying balance sheet and related income statements, present fairly the financial position of The Massachusetts General Hospital at September 30, 1960 and the results of its operations for the period ended at October 2, 1960 (53 weeks) in conformity with generally accepted accounting principles applied on a basis consistent with that of the preceding period, except for the change in depreciation policy described above, which we approve.

We have made a test check of the charges to income funds for special purposes for the year ended September 30, 1960 (including income arising from principal funds), in respect of the General Hospital and McLean Hospital funds. Based upon such examination and our review of internal control maintained in relation to funds, it is our opinion that charges made against the above-mentioned funds were properly chargeable thereto.

Patterson, Teele & Dennis

GIFTS AND BEQUESTS 1959-1960

GENERAL FUND

FOR ANY HOSPITAL PURPOSE		
Bequests	$1,437,983.31	
Gifts	21,596.67	$1,459,579.98

150TH ANNIVERSARY FUNDS

Gifts	$ 596,455.18

GENERAL HOSPITAL FUNDS

Fund No.			
1015	PHILIP R. AND ANNE L. ALLEN ENDOWMENT FUND		
	Gift of Mr. and Mrs. Philip R. Allen		$ 25,000.00
1070	JOSEPH C. AUB FUND		
	Gift		100.00
1120	LILLIAN DOBIE BALBONI MEMORIAL FUND		
	In Memory of Mr. and Mrs. Richard M. Burden	$ 100.00	
	In Memory of Mrs. Ida Merluzzo	25.00	
	Gifts	218.00	343.00
1240	CANCER RESEARCH ENDOWMENT FUND		
	Bequest of Mary S. Rousmaniere		28,000.00
1290	MGH ENDOWMENT FUND FOR STUDY OF CHRONIC DISEASES		
	Bequest of Morris Simlovich	$ 5,000.00	
	Gifts	11,810.00	16,810.00
1335	THE LORETTA JOY CUMMINS FUND		
	Bequest of Loretta Joy Cummins		1,000.00
1410	DR. WALTER JAMES DODD MEMORIAL FUND		
	Gift		50.00
1580	GENERAL SURGERY FUND		
	Gifts		210.00
1710	INCOME UNRESTRICTED FUNDS		
	Samuel Appleton Fund		
	Bequest of Miss Maud E. Appleton	$ 930.78	
	The Bartlett Fund		
	Bequest of Sidney W. Bartlett	5,000.00	
	The Frank E. Beckwith Fund		
	Bequest of Mr. J. Murray Baker	4,000.00	
	James W. Henry Fund		
	Bequest of James W. Henry	6.89	
	The Charles P. Jaynes Fund		
	Bequest of Charles P. Jaynes	65,458.80	
	Marion Grace Pratt Trust Fund		
	Bequest of Mrs. Marion G. Pratt	13,320.66	$ 88,717.13
	Carried forward		$2,216,265.29

	Brought forward		$2,216,265.29
1770	DANIEL FISKE JONES MEMORIAL FUND		
	Gifts		150.00
1800	MARGERY AMORY KETCHUM MEMORIAL FUND		
	Gifts		3,010.00
1817	THE ISABEL FABYAN LOMBARD FUND		
	Bequest of Isabel Fabyan Lombard		5,000.00
1820	MALLINCKRODT FUND		
	Gift of Mr. Edward Mallinckrodt, Jr.		97,460.00
1870	JAMES HOWARD MEANS FUND		
	Gift		5,000.00
1950	THE MIXTER FUND		
	In Memory of William J. Matthie	$ 5.00	
	In Memory of Mrs. Hilda Segel	2.00	
	Gifts	2,316.56	2,323.56
2130	OUT-PATIENT DEPARTMENT FUND		
	Gifts		15.00
2401	SCHOOL OF NURSING SCHOLARSHIP FUND		
	In Memory of Mrs. Helen A. Wood	$ 100.00	
	Gifts	167.00	267.00
2440	TERRY SHUMAN MEMORIAL FUND		
	Gifts		150.00
2750	GEORGE ROBERT WHITE FUND		
	Bequest of Mrs. Harriet J. Bradbury		24,576.30
2815	UNRESTRICTED FREE BED FUNDS		
	Bequest of Lilith Wilbor Dodge In Memory of Mrs. Adelaide E. F. Lord	$ 10,000.00	
	Bequest of Miss Marjorie C. Loring In Memory of Alice Robbins Cole	20,000.00	
	Bequest of Alice F. Sprague	10,000.00	
	Gift of: Mrs. Rudolph Weld	200.00	40,200.00
2910	CONVALESCENT HOSPITAL FUND		
	Gifts		
	In Memory of Theodore O. Nicholson	$ 230.00	
	Trustees u/w Mrs. Helen O. Storrow	3,300.00	3,530.00

BUILDING FUNDS

	AMBULATORY CLINIC BUILDING FUND	
	Gifts	$ 18,813.00
	GENERAL BUILDING FUND	
	Gifts	141,651.39
	Carried forward	$2,558,411.54

Brought forward		$2,558,411.54
HEMATOLOGY LABORATORY		
Public Health Service Grant		$ 1,875.00
ORTHOPEDIC RESEARCH BUILDING FUND		
Gifts	$ 13,551.05	
Public Health Service Grant	19,000.00	32,551.05
ARMIN KLEIN MEMORIAL FUND		
Gifts		7,740.00
THE ROBERT B. OSGOOD MEMORIAL LABORATORY		
Gifts		1,010.00
PHILLIPS HOUSE		
Gift		100.00
M. N. SMITH-PETERSEN LABORATORY		
Gifts		1,570.00
THYROID LABORATORY		
Gifts		125.00

McLEAN HOSPITAL FUNDS

GENERAL FUND		
Gift		$ 10.00
McLEAN RESEARCH LABORATORY BUILDING FUND		
Grant of The Kresge Foundation		146,320.00
0014 WENTWORTH HIGGINSON BARNEY FUND		
Bequest of Dr. J. Dellinger Barney	$ 1,051.10	
In Memory of Dr. J. Dellinger Barney	65.00	1,116.10

FIDUCIARY FUNDS

CHESTER MORSE JONES HOUSE STAFF EDUCATIONAL FUND	
Gifts	$ 2,048.75
TOTAL PRINCIPAL FUNDS	$2,752,877.44

INCOME FUNDS

General Hospital Funds

Treasurer's Funds

ANNUAL FREE BED FUND			
Mrs. Taylor Black	$	500.00	
Estate of Mr. Stephen Eretzian		9.00	
Mrs. Richard Walden Hale		100.00	
Mr. and Mrs. Ralph Lowell		200.00	
In Memory of John Lowell 1816-1820 John Amory Lowell 1843-1851 John Lowell 1856-1870 John Lowell 1910-1922 Trustees of The Massachusetts General Hospital			
Sewing Circle 1916		200.00	
United Community Services		1,750.00	
Women's Italian Club of Boston, Inc.		100.00	$ 2,859.00
CURRENT EXPENSE FUND			
Bequest of Miss Caroline E. Chickering	$	9,125.26	
Committee of the Permanent Charity Fund		17,000.00	
Bequest of Mr. James O. Graves		100.75	
Mr. Henry W. Kneeland		100.00	
United Community Services		200,489.00	226,815.01
THE ARTHUR W. ALLEN MEMORIAL FUND			2,061.25
THE EDITH S. AND FRANCES B. FISHER MEMORIAL FUND			
Bequest of Edith S. Fisher			81,398.92
KAYPE FUND			3,010.00
MISCELLANEOUS FUNDS			
Allen F. Batchelder Memorial Fund	$	123.00	
Bequest of Mr. Walter H. Collins		5,000.00	
Penelope Griswold Memorial Fund		534.06	
House Officers Loan Fund		102.50	
Chester Morse Jones Lecture Fund		25.00	
Robert Livermore Memorial Fund		388.00	
Mixter Portrait Fund		500.00	
J. Lothrop Motley Memorial Fund		165.00	
Gifts for Miscellaneous Purposes		427.00	7,264.56

INCOME FUNDS

General Hospital Funds

Funds For Special Purposes

Bequests		$ 5,572.50
Gifts		44,824.58
Grants—Government	$3,013,885.09	
Foundations	1,023,838.85	4,037,723.94

McLean Hospital Funds

Gifts		$ 135.00
DIRECTOR'S FUND		
Gifts		$ 550.00
TEMPORARY INCOME		
Gifts		6,382.50
Grants—Government	$ 343,726.14	
Foundations	78,200.00	421,926.14
TOTAL INCOME FUNDS		$4,840,523.40
TOTAL PRINCIPAL FUNDS	$2,752,877.44	
TOTAL INCOME FUNDS	4,840,523.40	$7,593,400.84

Henry R. Guild
Treasurer

ONE HUNDRED AND FORTY-THIRD

ANNUAL REPORT

OF THE

McLEAN HOSPITAL

A DIVISION OF THE

MASSACHUSETTS GENERAL HOSPITAL

1960

BELMONT

MASSACHUSETTS

Officers of the McLean Hospital 1961

President
Phillips Ketchum

Vice-President
Francis C. Gray

Treasurer
Henry R. Guild

Secretary and Assistant Treasurer
George S. Weld

Trustees

1935	Francis C. Gray, Chairman, 10 Post Office Square
1928	Phillips Ketchum, 294 Washington Street
1939	Henry R. Guild, 294 Washington Street
1940	Ralph Lowell, 100 Franklin Street
1941	*Rt. Rev. Robert P. Barry, 71 Warner Street, West Somerville
1943	Lloyd D. Brace, 67 Milk Street
1944	*Mrs. Robert Homans, 280 Beacon Street
1947	Francis W. Hatch, 462 Boylston Street
1947	John E. Lawrence, 177 Milk Street
1947	*Francis O. Schmitt, Ph.D., Department of Biology Massachusetts Institute of Technology, Cambridge
1955	Philip H. Theopold, 294 Washington Street
1958	*Sidney R. Rabb, 393 D Street, South Boston

Other Members of the Corporation

Mrs. Frank G. Allen
Philip K. Allen
John S. Ames, Jr.
Robert Amory, Jr.
O. Kelley Anderson
Mrs. David B. Arnold
G. Storer Baldwin
Mrs. James T. Baldwin
Harry J. Blake
Mrs. Henry M. Bliss
Mrs. Lloyd D. Brace
J. Howard Bushway
Mrs. Charles C. Cabot
Thomas D. Cabot
John P. Chase
Theodore Chase
Charles E. Cotting
Mrs. Richard E. Danielson
Miss Betty Dumaine
Robert R. Duncan
Charles J. Dunn
William Ehrlich
Nathaniel W. Faxon, M.D.
Mrs. Gardiner H. Fiske
Michael A. Fredo
Mrs. Francis C. Gray
Reginald Gray
Edward B. Hanify
Roy J. Heffernan, M.D.
Harvey P. Hood
Arnold W. Hunnewell

*Appointed by the Governor of the Commonwealth

William T. Kemble
John F. Kennedy
Mrs. Wheaton Kittredge, Jr.
Henry A. Laughlin
Alfred L. Loomis
Joseph W. Lund
Arthur T. Lyman
Francis P. McCarthy, M.D.
James Howard Means, M.D.
Henry V. Morgan
George Olmsted, Jr.
James H. Orr
Miss Amelia Peabody
Mrs. Sumner Pingree
George Putnam
William M. Rand
Miss Anna P. Revere
Elliot Richardson
Joseph Santosuosso, M.D.
Rt. Rev. Henry K. Sherrill
Alan Steinert
Raymond Stevens
James Jackson Storrow
John O. Stubbs
Thomas C. Thacher
Mrs. Augustus Thorndike
Richard K. Thorndike
Samuel J. Tomasello
John B. Vernaglia, M.D.
F. Frank Vorenberg
Mrs. Edwin S. Webster
Edward A. Weeks, Jr.

McLEAN HOSPITAL COMMITTEE

Ralph Lowell, *Chairman*

Rt. Rev. Robert P. Barry — Francis W. Hatch

ADMINISTRATION

Psychiatrist in Chief
Alfred H. Stanton, M.D.

Administrator
Joseph T. Prekup, (M) A.C.H.A.

Assistant Administrators
Burton N. Sears, M.H.A.
Henry J. Langevin, M.S. Psych. Nurs., M.S.H.A.

DIRECTORS OF DEPARTMENTS

Accounting
Thomas J. Burley, Comptroller

Activity Therapies
Ada A. Roth, B.S., R.P.T.

Dietitian and Food Service
Charlotte L. Donaldson, B.A., B.S.

Executive Assistant
Willa F. Pasho, B.S. (Administration)

Grounds and Transportation
Howard R. Gallant

Housekeeping
Mary T. Girard

Laundry
Harold F. Smith

Medical Record Librarian
Jean R. Poor, R.R.L.

Personnel
Vera Kilstein, M.A.

Pharmacy
George R. Zager, Reg. Ph., M.S.

Plant and Maintenance
John B. Larson, B.S.
Milton J. MacKinnon, Assistant

Psychiatric Social Work
Golda Edinburg, M.S.S.S.

Psychology
Irene R. Pierce, PH.D.

Purchasing
Alexander Armour

Director of School of Nursing and Nursing Service
Margaret C. Tibbetts, R.N., B.S. in Nurs. Ed.

Assistant Directors of Nursing Service
George B. Durham, R.N., A.A., TH.M., B.S.
Daniel H. Lennox, R.N., B.S. in Nursing

Assistant Director of School of Nursing
Mildred C. Makin, R.N., B.S. in Nurs. Ed., ED.M.

McLEAN HOSPITAL STAFF

Consulting Staff

James B. Ayer, M.D., *Neurologist*
Stanley Cobb, M.D., *Psychiatrist*
Harry C. Solomon, M.D., *Psychiatrist*
Paul D. White, M.D., *Cardiologist*

Psychiatrist in Chief

Alfred H. Stanton, M.D.

Associate Psychiatrist in Chief

Paul M. Howard, M.D.

Psychiatrists

Erich Lindemann, M.D.
Elizabeth R. Zetzel, M.D.

Attending Psychiatrists

Morris H. Adler, M.D.
William F. Murphy, M.D.
Samuel Silverman, M.D.
Henry Wermer, M.D.

Associate Psychiatrists

Willis H. Bower, M.D.
Edward M. Daniels, M.D.
Stanley H. Eldred, M.D.
Merton J. Kahne, M.D.
Maria Lorenz, M.D.

Associate Attending Psychiatrists

P. Stefan Kraus, M.D.
Norman E. Zinberg, M.D.

Assistant Psychiatrists

Arthur J. Cain, M.D.
John G. Clark, M.D.
Francis Laurent A. de Marneffe, M.D.
Dorr F. Hallenbeck, Jr., M.D.
James A. Haycox, M.D.
Phelps M. Robinson, M.D.
Maurice Vanderpol, M.D.
Mark M. Walter, M.D.
Stephen L. Washburn, M.D.

Assistant Attending Psychiatrists

Ruth Beuscher, M.D.
William A. Binstock, M.D.
George Chalpin, M.D.
Mignon C. Chasen, M.D.
Jacob Christ, M.D.
Herbert S. Cline, M.D.
Virginia L. Clower, M.D.
Hadassah Daniels, M.D.
William Kornfeld, M.D.
Charles E. Magraw, M.D.
Harold D. Stalvey, M.D.
William D. Temby, M.D.
Suzanne T. van Amerongon, M.D.
Frederick E. Whiskin, M.D.
Edward L. Zarsky, M.D.

Clinical Assistants in Psychiatry

Richard E. Cutler, M.D.
Edwin M. Davidson, M.D.
Henry V. Grunebaum, M.D.
Lee Jackson, M.D.
Melvin M. Kayce, M.D.
Barbara G. Mueller, M.D.
Jalna N. Perry, M.D.

Clinical Fellows in Psychiatry

Jane M. Berman, M.D.
Lloyd M. Caplan, M.D.
Jacqueline Gauthier, M.D.
Eda M. Kahana, M.D.
Egbert Mueller, M.D.
Harry S. Olin, M.D.
Herbert C. Wimberger, M.D.

Resident Psychiatrists

As of January 1, 1961, with subsequent appointments

Arturo Liwanag Aranas, M.D.
Kathryn Schaefer Beck, M.D.
Joseph H. Brenner, M.D.
Peter T. Choras, M.D.
Roy Melvin Coleman, M.D.
Wellington B. Cu, M.D.
Paul R. Dinsmore, M.D.
Gerhart A. Duda, M.D.
Jack Ellenberg, M.D.
Robert W. Farkas, M.D.
Donald J. Fern, M.D.
Bruce W. Fischberg, M.D.
Gordon Gary Globus, M.D.
William H. Goodson, Jr., M.D.
S. Sheila Hafter, M.D.
James C. Healey, M.D.
John M. Kuldau, M.D.
Bernard Levey, M.D.
John B. Livingstone, M.D.
Judith G. Ronat, M.D.
David George Satin, M.D.
Melvyn B. Schupack, M.D.
John S. Strauss, M.D.
Captane P. Thomson, M.D.
Harold W. Williams, Jr., M.D.
Jacob C. Wolterbeek, M.D.

DEPARTMENT OF MEDICINE

Director of Internal Medicine and of Research in Clinical Physiology

Mark D. Altschule, M.D.

Assistants in Medicine

Virginia B. Calkins, M.D.
Thomas C. Hall, M.D.

Clinical Assistant in Medicine

William A. Hall, M.D.

RESEARCH DEPARTMENT

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Jordi Folch-Pi, M.D.

Advisory Committee to Director of Scientific Research

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Walter Bauer, M.D.
Stanley Cobb, M.D.
Rafael Lorente de No', M.D.
Fritz A. Lipmann, M.D.
Donald D. Van Slyke, PH.D.
Alfred H. Stanton, M.D., *Ex-officio*

Neuropathologist

Alfred Pope, M.D.

Associate Biophysicist

J. David Robertson, M.D.

Associate Neuropathologist

Helen H. Hess, M.D.

Associate Biochemists

George P. Hauser, PH.D.
Francis N. LeBaron, PH.D.
Marjorie B. Lees, PH.D.

Assistant Neurologist

Pierre M. Dreyfus, M.D.

Assistant Biochemists

Mudlagiri K. Gaitonde, PH.D.
Lewis C. Mokrasch, PH.D.

Research Fellows in Biochemistry
Joseph Greaney, M.D.
Makoto Matsumoto, PH.D.

Research Fellows in Neuropathology
Edward Lewin, M.D.
Eduardo F. Soto, M.D.

Acting Anesthetist
F. Harold Brown, M.D.

Roentgenologist
Majic S. Potsaid, M.D.

DEPARTMENT OF SOCIAL SCIENCE

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Norman W. Bell, PH.D.

Consultant
Robert N. Rapoport, PH.D.

Associate Sociologist
Rose L. Coser, PH.D.

Research Associate in Social Anthropology
Katherine Spencer, PH.D.

Assistant Social Anthropologists
Donald A. Kennedy, PH.D.
Anne Parsons, PH.D.

Assistant Social Scientist
Murray Melbin. PH.D.

DEPARTMENT OF PSYCHOLOGY

Chief Psychologist
Irene R. Pierce, PH.D.

Research Associate in Psychology
William F. Soskin, PH.D.

Associate Psychologists
Walter Gruen, PH.D.
Lewis Sherman, PH.D.

Assistant Psychologists
Robert D. Schnitzer, PH.D.
Mildred E. Swinson, M.A.

DEPARTMENT OF SOCIAL WORK

Director

Golda M. Edinburg, B.A., M.S.S.S.

Supervisors

Hope N. MacDonald, S.M.
Martha M. Norton, B.A., M.S.W.

Research Social Worker

Mollie Grob, S.M.

Social Group Worker
(Director of Volunteers)

JoAnn Glotfelty, M.S.S.S.

Psychiatric Social Workers

Harriet Baxter, M.S.S.
Judith G. Easton, M.S.S.S.
Rae A. Fishman, S.M.
M. Leonor Herrera, B.A., S.M.

SCHOOL OF NURSING AND NURSING SERVICE

McLean Hospital School of Nursing Advisory Committee

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Mrs. Charles A. Coolidge
Mr. George B. Durham
Miss Stella Goostray
Mrs. Robert Homans
Mrs. Mildred C. Makin
Miss Theo G. Morrill
Mrs. Claude E. Welch
Mrs. Thomas Worcester
Alfred H. Stanton, M.D., *Ex-officio*
Paul M. Howard, M.D., *Ex-officio*
Miss Margaret C. Tibbetts, *Secretary*

Director of School of Nursing and Nursing Service

Margaret C. Tibbetts, R.N., B.S. in Nurs. Ed.

Co-ordinator of Nursing Education

Garland K. Lewis, B.S., M.N.

Assistant Directors of Nursing Service

George B. Durham, R.N., A.A., TH.M., B.S.
Daniel H. Lennox, R.N., B.S. in Nursing

Administrative Assistant

Americo A. Zerneri, R.N., B.S.

Assistant Director of School of Nursing

Mildred C. Makin, R.N., B.S. in Nurs. Ed., ED.M.

Instructors in Psychiatric Nursing

Lillian R. Ladd, R.N., B.S.
Martha W. Pride, R.N., A.B., M.N.

Assistant Instructor in Psychiatric Nursing

Herbert W. Mallinson, R.N.

Instructors in Nursing
Nancy E. Bowker, R.N., S.B.
John J. Grady, Jr., R.N., B.S. in Nursing

Instructor in Sciences
Mary Isabel Newton, B.S., M.A.

Instructor in Science and Pharmacology
Eleanor N. Peloquin, R.N.

Head Nurse, Health and Operating Room
Marilyn Kiley, R.N.

Administrative Assistant
Ruth MacLeod, R.N.

Supervisors
Katheryne D. Davidson, R.N.
Lavonne E. Davidson, R.N., B.S. in Nurs. Ed.
Paul V. Donnelly, R.N.
Audrey S. Hurley, R.N.
Virginia B. Ladd, R.N.
Donald J. MacLean, R.N.
Mary E. Pease, R.N.
John P. Pitcherale, R.N., B.S. in Nurs. Ed.
JoAnne F. Swanson, R.N., B.S. in Nurs. Ed., M.S. in Psych. Nurs.

Supervisor of In Service Education
Audrey R. Miller, R.N.

UNIT HEADS

Supervisor of Occupational Therapy
Elaine S. Pinkham, O.T.R.

Music Director
Homer P. Whitford, D. Music

Supervisors in Physical Therapy
Thomas A. Crapo, R.N., R.P.T.
Anahid Savio, B.S., R.P.T.

Supervisor in Recreational Therapy
Ada A. Roth, B.S., R.P.T.

Libraries
Hector Bossange, M.A.

X-Ray
Herbert A. Davidson

Seamstress
Cretie Harris

Publications
Baird Hastings, A.B.

Report of the Psychiatrist in Chief

To the Trustees of the Massachusetts General Hospital:

The Report for the Fiscal Year ended October 2, 1960 is respectfully submitted.

A PSYCHIATRIC HOSPITAL differs from other hospitals in no way more characteristically than in the fact that most of its patients are not, and should not be, in bed. But while this is a commonplace, many patients remain unnecessarily in bed in a figurative sense as much purposeful activity which is still possible in spite of illness may not be available while in the hospital. And if a patient is active in personally or socially useful pursuits, the impression persists that in some sense he is not "really sick." The assumption that sick patients should be in bed remains, although in a subtle form.

The past year at McLean included a number of developments of importance, but none more than a considerable shift toward greater purposeful use of time by patients, to a degree which began to change the character of the hospital itself. Patients in the Day Care program (treatment and activities during the daytime hours for patients who spend their nights at home) increased from 39 the previous year to 63 out of a total census of about 275. Fifty patients last year, compared to 30 the year before, found useful contributory work about the hospital. About 20 in-patients were in regular school or tutoring, working toward receiving full academic credit for their study, a great increase in number. This is all in addition to the hospital's previous activities, none of which have been discontinued, and one of which—music—was used by the largest number of patients on record. Work in creative arts promises not only to contribute to the treatment program of the patient, but to hold out the promise that the patient will be able to leave the hospital with new and serious achievements in addition to his improvement.

The increase is by no means restricted to the recent or the younger patients; increasing discharges of older patients, reported elsewhere with our patient statistics, is an index to their considerably greater activity in the community.

There is, of course, reason to believe that this transformation in the hospital is still only in its beginning stages. The success of one

patient, and of one group of nurses, or of the staff, contributes to the success of others. There is a real likelihood that Day Care and the centers for activities will increasingly be a focus of the hospital. In the circumstances, it comes as a peculiarly strategic promise that the construction of a Center for Patient Activity has been made possible as one of the first fruits of the 150th Anniversary campaign. The Center will permit a considerable expansion of our Day Care service to the community; heretofore it has not proved possible without further facilities to admit patients directly to Day Care. The increasing importance of activities central to a patient's life rather than artistic, craft, or recreational activities only, increases the need for classrooms, study, and practice rooms which are not now practicably available at the hospital.

But the change has brought serious problems. In spite of rising admissions, and, if the Day Care patients are counted, a continuously rising census, the patients on Day Care have to some extent come from patients who otherwise would be in the hospital. Together with the discharge of long term patients, and a shortening period of hospital stay, the census of patients occupying rooms at the hospital has fallen progressively. The hospital has had to face a serious deficit as a consequence, and a noticeable slowing of repairs on certain expensive and outmoded buildings. The cost of patient care itself is considerably increased by the hospital architecture, as is usually to be expected where buildings are designed for a type of patient care no longer used. In particular, some of the elderly and physically helpless patients occupy rooms from which it is difficult to get outdoors, and which make it expensive to provide complicated medical care which they frequently need. The costs of care are likely to continue to mount without increasing efficiency until more practical wards are available.

Education and research continued at a somewhat higher general level. Research (supported by funds from sources other than patient income) has increased greatly. In 1957, research fund expenditures approximated $63,000, most of which was spent in the Biochemical and Physiological Laboratories. In 1960, the combined budget from the same income source for all research was approximately $300,000 and it included grants in most of the behavioral science areas. It is expected that this figure will increase to nearly a half million dollars in 1961.

Three new appointments strengthened the medical and scientific staff. Dr. Elizabeth Zetzel devoted a considerably larger amount of time to the hospital than the year before, and brought her experience and her

very special ability as a teacher to the clinical program as a consultant, to the resident teaching, and to the medical student program.

Dr. J. D. Robertson brings with him the experience and ability to start a new program in biophysics research which represents a considerable increase in the potential of the laboratory. Appropriately for a research program in a hospital, interdisciplinary work in biology has been a consistent goal of the laboratory. The physical expansion of the laboratory, nearly doubling its size, was almost completed during the year, and when it is, promises adequate quarters for his program.

The appointment of Miss Garland Lewis as Coordinator of Nursing Education is a particularly interesting one. Increasing activity of patients brings with it an unsettling change in the duties and activities of psychiatric nurses, duties for which their training has often not prepared them. Miss Lewis brings considerable experience in nursing administration and a period of ground breaking experimental education of psychiatric nursing personnel in conducting a project for the National League for Nursing. She will develop programs of education in psychiatric nursing for graduate nurses and aides. Education in this special type of nursing will be even more needed in the future.

The hospital has been fortunate in many ways during the year. The psychiatric staff has been remarkably stable; the level of clinical practice emphasized in other years has been high; careful and expert psychiatric treatment planning underlies the success of the other treatment programs.

A noticeable part in the greater activity of the patients was made possible by the increasing contribution, direct and indirect, of the Volunteers, started only last year under the leadership of Mrs. Alison Coolidge. Miss Jo Ann Glotfelty, our social group worker, joined the staff, and contributed skillfully to this aspect of the hospital treatment program.

During most of the year, Dr. Bower took the place of Mr. Prekup who was away on leave, and his carrying of a double duty was extremely effective; the general supervision and planning of the various activity therapies was also part of his duty, and its increasing depth and effectiveness was in part a result of his ability to continue with it in spite of his other responsibilities.

Dr. Norman Bell functioned as Acting Chief of the Department of Social Science, filling the position left by Dr. William Caudill who went

to the National Institute of Mental Health. The loss of Dr. Caudill points up the need for more solid support for this department of the hospital. The value of social science research has already been widely recognized in psychiatric institutions and, to a lesser extent, in non-psychiatric hospitals; a number of seriously inviting opportunities in the field of medical social science research and education has been opened up. Dr. Bell and his colleagues have contributed already significantly to the field and at no cost to the hospital.

The heavy investment of the Trustees in the hospital is a continuing source of its strength.

ALFRED H. STANTON, M.D.
Psychiatrist in Chief

Report of the Administrator

IN maintaining the hospital's role in education and research, it is interesting to note that research activity supported by funds from sources other than patient income has increased sevenfold. The details of this increase are reported elsewhere.

Early in the year the hospital's future building needs were explored in anticipation of the forthcoming 150th Anniversary Celebration. A study committee was appointed and funds authorized to retain architectural consultants for the purpose of developing a master architectural plan. This committee met regularly under the chairmanship of Dr. Willis H. Bower and considerable progress was made. First stage plans for the immediate future include new facilities for geriatric patients and the construction of new units for the care of the more acutely ill. Both groups are in-patients and are currently housed in obsolete and substandard buildings.

In order to offset a large projected budgetary deficit, the basic room and board rate was raised from $30 to $38 per day. This rate became effective at the beginning of the fiscal year for all new admissions, and on November 16, 1959 for the in-patient group. The reduction in patient census from a budgeted 230 patients per day to an actual of 210 patients per day resulted in an operating deficit of $106,000 compared with a budgeted deficit of $33,000.

Basic changes in personnel practices included payment of time and one-half for overtime for all nonsupervisory personnel, adoption of a minimum salary of $1.15 per hour and the reorganization of the psychiatric aide program. The adoption of the time and a half for overtime resulted in an additional expenditure of approximately $50,000. Even though not totally reflected in the budget, the increase in minimum wage and the reorganization of the psychiatric aide program resulted in an additional budgetary increase of approximately $25,000. Due to the continuing shortage of trained psychiatric nursing personnel, a considerably larger payroll expense was experienced in the form of overtime. This problem takes on added significance because all overtime with the exception of supervisory personnel is at the time and one-half rate. An additional unsolved problem involves the use of staff nurses to special patients on a private duty basis when clinically indicated. "Specialing" of this nature for the most part is performed by nurses working over-

time, i.e. at time and one-half rates (while the hospital bills the patient at straight time rates in order to be consistent with the rates charged by the Boston Central Nurses Registry).

Basic increases in room and care produced an additional 10.7% income over the last fiscal year. A Budget Committee was established to prepare the 1961 budget. It has proved valuable and no doubt will be continued in the future.

The sum of $145,000 was allocated in The Improvement and Alteration Fund for the purpose of continuing the program of physical plant improvement. Of this amount, the sum of $54,000 was spent for the installation of an underground 2300 volt AC primary electrical service which represents the first stage of the eventual conversion of the total hospital to AC power. Twenty-two important construction and renovation projects were undertaken during the past year. The most important and extensive included a new 400 amp. underground AC power feeder for the east side of the hospital, renovation of East House I, South Belknap I and II nurses' stations, renovation of the Appleton kitchen, modernization of the bakery, lighting of the two large parking areas, installation of security screens on South Belknap II, construction of additional doctors' offices, the lighting and renovation of Codman House III, acoustical treatment of Pierce Hall, construction of a Medical Records storeroom, and renovation of the Medical Library. Plans to construct a dike around the domestic well field were dropped, and now plans are underway to abandon the well field and purchase all domestic water from the Town of Belmont at an additional expense of approximately $13,000 per year.

In addition to the aforementioned projects, the Maintenance Department had a busy and fruitful year. East House I, South Belknap I and II, and Appleton were painted. Because of the extreme need for interior painting, outside work was kept at a minimum. Since 1956, all major building exteriors have been painted with the exception of the Research Laboratory. Since all exteriors are brick, there continues the need for repointing and waterproofing due to the age of the buildings, and in addition gutters and downspouts of the majority of the buildings require replacing.

Two important and necessary improvements in the Maintenance Department include the implementation of a simplified job requisition system, and the establishment of a preventive maintenance program. Even though it was impossible to keep up with all maintenance needs,

the Department processed approximately 6,000 requisitions. Mr. Russell H. Baxter retired in June after serving as Chief Engineer for five years. He was succeeded by Mr. John B. Larson in October.

The Department of Grounds and Transportation kept pace with the growing demand made by the increase in use of motor vehicles on the hospital grounds. The west parking lot was enlarged, a hard surfaced apron for 50 cars was constructed, South Belknap circle hard surfaced, and 2500 linear feet of gravel roads oiled and sanded. Because of parking congestion, a parking registration system and traffic violation system was established and has been quite successful. However, parking problems continue to exist for visitors and additional lots should be constructed. Lawns and shrubs were kept in good condition even though hand trimming was limited. A three gang reel type mower and additional hand mowers were purchased to replace worn equipment. The greenhouse and summer garden continued to provide fresh vegetables for the kitchen, flowers for the chapel, cafeteria, coffee shop, and patient halls. One greenhouse was closed to reduce expenses. The continued decline in the use of the chauffeur service by patients was partly offset by an increase in routine hospital services, especially frequent trips to Massachusetts General Hospital for laboratory purposes. Because of the continued extensive use of hospital vehicles, one new sedan was purchased to replace an older vehicle. During the year, hospital vehicles logged approximately 60,000 miles.

The consolidation of Recreational Therapy, Occupational Therapy, and the Patients' Library into an Activity Therapies Department, which was done the preceding year, was carried forward in the present year. Mrs. Ada Roth was appointed Chief Activity Therapist as a Department Head to direct the department.

Several items of new equipment were purchased including an enameling kiln, enabling the Occupational Therapy Section to broaden its scope of crafts training.

The total number of patients participating in all areas of the Department remained approximately the same; however, a decrease in average daily attendance was noted. This was due primarily to the success of the patient work program in the hospital and the increased number of patients receiving formal tutoring in numerous subjects.

Organizing activities for the greatly increased adolescent patient group has taken place, but much remains to be done in this area — particularly with regard to planning more evening activities.

The hospital notes with regret the retirement of Mr. Angus MacDonald, who was associated with the hospital for nearly forty years.

Miss Willette Pierce resigned as Director of Volunteers and was replaced by Miss Jo Ann Glotfelty, who has extensive training and experience as a group social worker. This new department has continued to develop and explore with considerable success. During the year, thirty-nine women and men gave over two thousand hours of service to the hospital primarily in patient areas, and a Handbook for Volunteers was published.

The reorganization of the Dietary Department continued during the past year. Mrs. Catherine Zedros resigned as Administrative Dietitian upon completion of her dietary internship. Miss Mary Madden and Miss Carol Moynihan joined the staff as administrative dietitians. A traineeship position for a dietary supervisor was established and has worked out satisfactorily. The position of administrative intern has been abolished. The porter and dietary aide groups have been reorganized in addition to the main kitchen and bake shop units. This reorganization has resulted in increased efficiencies, improved supervision and an upgrading of some of the salary ranges. Physical improvements in the bake shop and main kitchen continued with the purchase of additional and necessary equipment. Plans for the forthcoming year include renovation of the pot room and the purchase of an automatic pot washer.

The cafeteria for personnel operated at a deficit of $6,500 which was due in part to a 20% reduction in total meals served from the preceding year. The Coffee Shop again showed a small surplus.

A program of standardized recipe preparation has been under way during the past year and has proved highly successful. The most crucial problems in the Dietary Department concern the development of a plan for a much needed central patient food service. The central food service is needed in order to reduce food costs, provide patients with an improved food service and consolidate all food service into the Dietary Department. The major unresolved problem is related to escorting patients to a central dining area and will be given considerable attention during the coming year.

After 28 years of loyal and efficient service, Chef Joseph Pellegrino passed away. His loss was felt by patients and personnel alike.

The Housekeeping Department continued to suffer from a high turnover rate and a lack of adequate supervision. However, certain improvements were made. A central bulk storage area was provided which

enabled closer supervision of supplies issued by the Department. The position of assistant housekeeper was approved in the budget but was not filled during the year because of a lack of qualified candidates.

The major problems that remain unsolved include the separation of food service from the Housekeeping Department, establishment of modern systems and procedures, and a closer working relationship between the Housekeeping and Nursing Departments.

The hospital continues its studies to find better ways of controlling personnel turnover. Although the termination rate for the year was down 10% from the previous year, the figure remains high and represents an added expense of training new employees and the loss of trained personnel.

At the Service Pin Award Tea held in May honoring 89 employees, pins for thirty years' service were awarded to:

Name	*Department*
Dr. Thomas A. Crapo	Chiropodist
Miss Elma M. Croft	Nursing
Miss Margaret W. Robertson	Laundry
Miss Margaret C. Tibbetts	Director of School of Nursing and Nursing Service

Twenty year pins were awarded to:

Mr. Howard R. Gallant	Director of Grounds and Transportation
Miss Mary I. Newton	Instructor in Science, School of Nursing
Miss Carrie A. Turner	Assistant to Laundry Manager
Dr. Homer P. Whitford	Director of Music

Six employees retired after twenty or more years of service:

Mrs. Jean S. Burns	Nursing
Mrs. Edna G. Lee	Nursing
Mr. Angus J. MacDonald	Activity Therapies
Miss Elizabeth Meservey	Patients' Receiving
Miss Margaret W. Robertson	Laundry
Mrs. Esther L. Rufle	Accounting

The Pharmacy continued to operate at a high level of efficiency. In order to increase flexibility in the department, the position of pharmacy aide was eliminated and was replaced by a part-time Registered Pharmacist. Despite a reduction in patient census, pharmacy charges to patients increased over 1959. Oxygen storage areas were centralized in patient units, primarily on Proctor House II and East House II. The program of medicine cabinet replacement has continued. At the present time only three nursing units require new medicine cabinets.

The Department of Publications, since the arrival of Mr. Baird Hastings, has enabled the hospital to broaden its approach in information matters both in the hospital and the community.

The department acts as the coordinating body for many meetings held at the hospital and particular emphasis was placed on mailing of hospital brochures, systematizing methods of handling news releases and hospital publicity, along with covering many special events which occur throughout the hospital. One of the outstanding innovations coordinated by this department is the monthly community luncheons. Each month, a number of business and professional leaders from surrounding towns are invited to participate in discussions about the hospital. This program was met enthusiastically by all participants and has proved an excellent means of improving community relations.

One of the most important innovations was the establishment of a Standards Committee. Its prime function is to concern itself with the simplifying and standardizing of supplies and equipment and the broadening of standard specifications. Effective action by this Committee will help in the more efficient and economical purchase of the needs of the hospital in an area where a large segment of the hospital dollar is spent.

The perpetual inventory system, installed the preceding year, has been broadened in scope, and its usefulness will increase as additional experience is recorded.

One of the more vexing problems remaining is the consolidation of several scattered storage areas in one location. Although centralized in other respects, this physical separation of areas under the department results in lessened efficiency.

An additional position of Assistant Administrator was authorized by the McLean Committee during the year and Mr. Henry J. Langevin, Administrative Assistant, was promoted to this post.

The writer was granted a sabbatical leave and enrolled in the Yale University Program in Hospital Administration. I am deeply appreciative of this opportunity and wish to thank the Trustees for making this leave possible. I should like to thank the Administrative Staff, the Medical Staff and Department Heads for their co-operation and fine support which they accorded Dr. Willis H. Bower, who was Acting Administrator during my absence.

Respectfully submitted,
JOSEPH T. PREKUP
Administrator

McLean Hospital

Comparative Operating Statement Fiscal Year 1959-1960

	Current Year Period No. 1 Through No. 13 9/28/59-10/2/60	Previous Year Period No. 1 Through No. 13 9/29/58-9/27/59
Patient Days	77,962	84,265
Average Daily Census	210	231
Percent of Occupancy—Capacity 266 Beds	79	87
Income:		
Routine Income—Room and Care	$2,911,893.00	$2,570,958.00
Income From Day Care and Out Patients	22,466.25	15,557.67
Other Patient Income	321,529.84	290,403.08
Other Non-Patient Income	137,011.76	145,822.78
Total Operating Income	$3,392,900.85	$3,022,741.53
Deductions from Income:		
Free Service—Room and Care	$ 356,142.00	$ 290,728.70
Courtesy Allowance	25,462.00	24,436.00
Free Service—Special Nursing	7,690.71	15,338.13
Free Service—Escort Nursing	37.38	—
Provision for Bad Accounts	15,002.00	—
Provision for Rate Reductions	7,007.00	—
Total Deductions From Income	$ 411,341.09	$ 330,502.83
Net Operating Income:	$2,981,559.76	$2,692,238.70
Expenses:		
Salaries and Wages	$2,099,011.21	$1,865,378.14
Supplies and Other Expenses	997,767.33	888,222.07
Real Estate Taxes	29,298.40	29,298.40
Total Expenses	$3,126,076.94	$2,782,898.61
Net Operating Deficit:	($144,517.18)	($101,588.41)
Treasurer's Income	$ 52,269.00	$ 52,022.91
Less: Treasurer's Expenses		
Insurance	7,266.60	7,310.03
Corporation	6,580.09	6,242.61
Net Treasurer's Income	$ 38,422.31	$ 38,470.27
NET DEFICIT	($106,094.87)	($ 63,118.14)

Fiscal Year 1960 had 53 weeks

McLean Hospital

BALANCE SHEET

October 2, 1960

ASSETS:		
Cash		$ 1,096.79
Accounts Receivable	$ 623,164.36	
Less: Reserve for Doubtful Accounts	18,677.00	604,487.36
Inventories:		
Coffee Shoppe	1,714.82	
Dietary	8,337.04	
Maintenance	29,569.78	
Pharmacy	11,751.79	
Sewing Room	6,502.89	
Storeroom	12,402.07	70,278.39
TOTAL ASSETS:		$ 675,862.54
LIABILITIES:		
Accounts Payable		9,638.54
Reserve For Rate Reductions		8,660.04
Reserve For Improvements and Alterations		79,038.98
Fiduciary Exchange Accounts		85,774.68
Patient's Advance Deposits		17,045.00
Treasurer's Equity—September 28, 1959	347,833.79	
Add: Cash From Treasurer	540,000.00	
	887,833.79	
Less: Operating Deficit $144,517.18		
Research Expense 267,581.31	412,098.49	
Treasurer's Equity—October 2, 1960		475,735.30
TOTAL LIABILITIES		$ 675,862.54

Report of the Clinical Service

THE McLean Hospital does much to be a "good hospital" by well thought out routine procedures such as systematic examination of patients, protective care, activities, and therapies. But a sensitive indicator of psychiatric care which goes far beyond this is the amount of imagination used in relation to the personal meaning of the experience of each patient here. At each step in the care and with each person's contact, there is the expectation that we will create responsively and individually for the patient. A living interplay is started between the personal and institutional type structure, and in the flux the patient can reweld a better framework than the rigid or distorted framework which supports his mental illness.

Such personal imagination on the part of the staff is expected to have basis in the scholar's knowledge of what others have done in similar situations, in the ability of the scientist to make predictions and reduce errors, and the concern of the humanist with the state of mind of his fellow man. Although not specifically so named, the ideal of disciplined imagination working for patients has been strongly advanced by the present administration in hundreds of ways. The report of this imagination at work is more significant than more scorable events, since the ideals of an institution incalculably influence both the general and specific operations.

Some aspects of the clinical work will be discussed here, although most of the clinical departments and clinical statistics are now in separate reports.

As to milieu therapy, the hospital has undergone a startling change as a community. We have the same clinical administrative system described in previous annual reports and somewhat the same activities system available. These systems could have been used in a routine and oppressive manner, but with imaginative adaptation of the elements to each particular patient, it is amazing to see how the patient returns to health. Even old and "accepted" chronic symptoms and ways of thinking are brought under scrutiny and into new relationships, with unexpected changes resulting. The greater freedoms given to patients are less dangerous both in the short run and the long run than the shackles of tight control — the difference clinically to the patients being from the increased personal interplay, not from vacant freedom as is

often implied. Unfortunately, some patients make a bitter struggle out of the granting of freedom or provision of protection, which can result in some accidents, but in the general view healthier purposes are created. Patients' rights to possess, to initiate, and to be something original have been increased. An instance of this is the initiation of daily hall meetings on one or two halls where patients establish the right to influence each other's pathological behavior through participation in group interests and ideals rather than being ordered by a beneficent staff authority. Other changes in the milieu will be noted below. A million personal interplays make up the milieu for the year.

There are viewpoints of mental illness that are not easily stretched to include the interpersonal interaction and do not yet measure conceptual thinking of the mind. The basic framework of the mind in biochemistry and physiology is being examined in extensive research work. The pharmacological approach to the patient's illness is found useful, especially in tranquillizers. Though available, electric shock and insulin virtually have been abandoned. The basic medical health of the patient is examined meticulously and followed systematically by medical specialists. The physical health of our geriatric patients enables them to enjoy life far longer than previously; the average age of death in this group was 84. Patients of all ages undertake activities and exercise as well as rest. Education is used so that physicians, nurses and patients themselves will see the need for attention to these approaches.

Usually psychotherapy is the imaginative tool which enters the patient's illness most effectively. (Fifty hours of this specialized treatment are done each working day at the hospital, not counting the administrative psychiatric care.) Together, the physician and the patient look at the memories of the past, the patterns of the present and future. Old thoughts are formulated and reshuffled, new chains of association formed, and a different outlook results. Scores of patients who ordinarily would be considered too ill or unsuitable are treated persistently, with slow and important changes resulting.

Group therapy has been carried on in ten different groups by residents under supervision and others pursuing a variety of group forms appropriate to membership, and it has subtly influenced the social adaptation of many patients.

Concerning resident education, the teaching program described in the 1958 report has been modified slightly by changes in lectures, intensification of work-up conferences, reconstruction of the form for initial

study of patients, improved orientation course for new residents, more senior supervision and closer collaborative work with senior physicians. Sociological research on resident education is underway. Work of high quality and long duration is conventionally expected of residents. Beyond this they have added immensely to the patient's well-being by their fresh imaginative interest and intense conscientiousness. As much as any group the residents bring to the patients the needed interpersonal relationship.

Harvard Medical Students have continued in the improved arrangement of tutorial conferences and have been given additional clinical work.

The value of the contribution of psychiatric social workers working with families and patients now is totally recognized in the private hospital. The Department has emphasized heavily the hours of clinical service. The social workers deal not only in the usual material problems of arrangements, finances, activities, but expertly enter the psychological problems of family and patient. Their point of view in each clinical case fills out and creates new social structure for the patient to move into as he leaves behind the relationships of his illness.

Clinical and educational nursing is reported and commented on elsewhere, but it may be emphasized that the clinicians keep in touch daily with the nurses and greatly appreciate their improved education and skill. The imagination of the physician works through the nurse in many aspects of patient care. Quantitatively our nursing hours are as high as any in the country. At McLean Hospital most nursing-physician teams have been evolving new and individual ways of managing each hall; it must be emphasized that the nurse has accepted the patient as a collaborator in both the daily work of the hall and in the psychological work as well. (For example, patients daily give opinions, help their fellows, provide informal escort service.) Since the hall is the patient's "home" compared to other areas of the hospital, the severest expressions of psychopathology occur there, and regression is partly averted by nursing imagination about possible interrelations on the hall.

The members of the Psychology Department add their specific constructive contribution to the study of most patients, enabling us to see more realistically how the patient thinks and feels. This influences treatment methods and content.

The Activity Therapies Department, again with a report elsewhere, works felicitously and continuously to bring variety and action into the life of the patient through the scores of activities available for indi-

viduals and groups. Their personnel are selected not only for concrete skills but especially for perceptiveness, responsibility, and creativeness in relation to patients.

The Volunteer Group brings into the hospital volunteers from the community — Belmont, other towns, and also college students from the local area. Their service enlivens the day for patients and does much useful practical work. The volunteers are selected with thought, oriented to their work, discuss it as they go along, and they take responsibility, creating few problems.

Research by Merton J. Kahne published in *Psychiatry,* "Bureaucratic Structure and Impersonal Experience in Mental Hospitals," testified to the importance of our avoiding vertical authoritarian staff design and the specialization of decisions being made by experts distant from the patients. Bureaucracy may be efficient and reasonable, but it denies the patient vital personal exchanges with those making decisions. Responsibility and action should be vested in those dealing directly with the patient and in personal exchanges of the patient's thinking. Plans in the usual mental hospital are made rationally, but the absent patient is left apathetic and ineffective. The concepts of this article have been influential on practice here. The thinking of a staff committee on clinical structure seemed in agreement, and endorsed the clinical administrator system of the past five years for the halls, and also recommended the abandonment of special admissions halls as too transient to provide patients with stable personal relationships.

Important clinical research, needing precise and rich imagination, was started this year by Drs. Stanley Eldred, Norman Bell, and Lewis Sherman, with funds from the National Institute for Mental Health for three years to study "Social and Individual Systems in Schizophrenia." The observations, ranging from broad social to exact physical, will be subject to the discipline of computer analysis; the interrelationships which exist between clinical conditions of patients and the interpersonal environment of the hall will be studied.

For seven years the Voluntary Patient Activities made an annual report separately, but now this report will be joined with that of the Clinical Service. Previous reports have described patient activities as to content and organization, but certain changes may be noted. Patient voluntary work for regular hospital departments somewhat unexpectedly doubled to 50 concurrently working in "real work" part-time jobs. This increment is probably due to more "expectation" that idleness is unhealthy and also to the fact that more patients are looking towards

the community than incapacitated life. Both hospital departments and patients appreciate this responsibly performed work. There has been a decreasing general interest in the executive committee of the Patient Activities Association, with faithful representation from only a few. However, activities arranged have been more popular even if patient planning is less so. There seems to be less interest on the part of patients in making self-conscious voluntary productions of their own as contrasted to that which is offered by the hospital or the community, and this is probably due to the increasing ease of social gratification in different local areas. The Library with eighty patient borrowers and the Coffee Shop with its great popularity are each in their way of great value. Weekly entertainment on Codman originally was sparked by a social worker, but it continued with patient initiative. Sporadic activities have been sponsored by other halls, some of them group outings, and they have been joined by patients who had not gone into the community for years. During the past year, hall meetings became much more of a force on a hall which tried daily instead of weekly meetings of the patients in a community meeting with the physicians and nurses. These seem to provide the disenfranchised hospital patient an area to imagine how he may effect the behavior of his peers and the orders of the staff. Further social changes have come from the increase in the "under 21" group of patients to about 35; they care little for planning through committees and like to invent their own responses. They do best under active leadership. Furthermore, the doubling of the Day-Care group to over 60 patients influences residential patients to take up outside interests. Finally, little authoritative direction of patients arises centrally, but rather from local areas so activities become more centered there. Altogether the hospital seems to be growing in the imaginative creation of social forms which patients enter with voluntary responsivity.

The Clinical Service deeply appreciates the framework of the administrative departments which do so much to hold up the hospital in an economic and practical way; it appreciates the unusual location and plant; and it truly appreciates its excellent Board of Trustees, especially the McLean Committee, whose constructive thought and considerate review pave the way for clinical efforts.

Respectfully submitted,
PAUL M. HOWARD, M.D.
Associate Psychiatrist in Chief

McLean Hospital

Statistics for Fiscal Year Ended October 2, 1960

THE accompanying tables present some of the basic characteristics of the patient population of McLean Hospital at the beginning and end of this fiscal year, and of patients admitted and discharged. There has been an increasing rate of turnover so that the population is changing in certain respects. Some of the outstanding changes are:

1. The number of patients admitted increased from the previous year, but this increase was more than offset by a higher discharge rate. In addition more patients are being carried on an "on visit" status. The net result was a decline in the number of patients actually in the hospital at the end of the year from 234 to 203.

2. Though the turnover of patients is high the nature of the population is changing very slowly. The average age decreased by 5 years, with a sizeable decrease in the number of patients over 80 years and a sharp increase in patients under 20 years. The diagnostic composition of the population changed very little, a notable decrease being registered only of chronic brain syndromes.

3. In terms of age, sex, and diagnosis the admitted and discharged populations are very similar. Both differ from the population remaining in the hospital. Admitted patients are predominantly first admissions who come directly from the community. Seventy-eight percent of those admitted during the year were discharged during the year.

4. The vast majority of discharged patients are discharged to the community. At discharge few patients were judged to be completely recovered, but a large proportion (71%) were recovered or improved. Twenty-two percent were discharged as unimproved, and a further 7% died. The majority of deaths occurred in patients over 80 years of age.

Respectfully submitted,
NORMAN W. BELL, PH.D.
Acting Chief
Social Science Department

McLean Hospital

TABLE I

Selected Characteristics
Patient Population — McLean Hospital

A Beginning of Year—September 27, 1959

TOTAL NUMBER 253 { In Hospital 234 / On Visit 19

SEX Male 31% Female 69%

AGE	Male	Female	Total	% of Total
Under 20	9	7	16	6%
21-30	10	31	41	16%
31-40	19	27	46	18%
41-50	7	22	29	12%
51-60	11	22	33	13%
61-70	5	14	19	7%
71-80	8	20	28	12%
81-up	10	31	41	16%
	79	174	253	100%

Average Age: Approximately 49

DIAGNOSIS	Number	% of Total
Schizophrenic Reactions	103	41%
Psychoneurotic Disorders	29	11%
Affective Reactions	29	11%
Personality Disturbances	25	10%
Paranoid State	5	2%
Involutional Reactions	12	5%
Adjustment Reactions	2	1%
Acute Brain Syndromes	1	*
Chronic Brain Syndrome	46	18%
Psychophysiological Reaction	1	*
	253	100%

B End of Year—October 2, 1960

TOTAL NUMBER 233 { In Hospital 203 / On Visit 30

SEX Male 33% Female 67%

AGE	Male	Female	Total	% of Total
	19	15	34	15%
	2	22	24	10%
	15	24	39	17%
	6	20	26	11%
	11	23	34	15%
	7	14	21	9%
	9	16	25	10%
	7	23	30	13%
	76	157	233	100%

Average Age: Approximately 44

	Number	% of Total
	98	42%
	29	12%
	20	9%
	27	12%
	5	2%
	15	6%
	—	—
	2	1%
	35	15%
	2	1%
	233	100%

*Beginning of Year			End of Year	
LENGTH OF STAY	Number	% of Total	Number	% of Total
Less than 10 days	13	5%	11	5%
11-30 days	18	7%	12	5%
31-90 days	24	10%	32	14%
91-365 days	62	25%	57	24%
1-2 years	30	12%	27	12%
2-5 years	29	11%	28	12%
over 5 years	77	30%	66	28%
	253	100%	233	100%

LEGAL STATUS	Number	% of Total	Number	% of Total
Voluntary	125	49%	124	53%
Regular Commitment	124	49%	104	44%
Other	4	2%	5	3%
	253	100%	233	100%

SOURCE FROM WHICH ADMITTED	Number	% of Total
Home	205	81%
School	7	3%
General Hospital	8	3%
Mental Hospital	29	12%
Physician's Office	1	*
Other	3	1%
	253	100%

TABLE II

Selected Characteristics of Admitted and Discharged Population — McLean Hospital

A. ADMISSIONS

TOTAL NUMBER OF ADMISSIONS 326

SEX	Male 42%	Female 58%		
AGE	Male	Female	Total	% of Total
Under 20	29	20	49	15%
21-30	18	38	56	17%
31-40	30	34	64	20%
41-50	23	39	62	19%
51-60	17	40	57	18%
61-70	3	6	9	2%
71-80	8	10	18	6%
81-over	7	4	11	3%
	135	191	326	100%

DIAGNOSIS	Number	% of Total
Schizophrenic Reaction	86	26%
Psychoneurotic Depressions	61	19%
Affective Reactions	36	11%
Personality Disturbances	76	23%
Paranoid State	5	2%
Involutional Reactions	17	5%
Adjustment Reactions	5	2%
Acute Brain Syndromes	13	4%
Chronic Brain Syndromes	25	8%
Psychophysiological Reactions	2	*
	326	100%

SOURCE FROM WHICH ADMITTED	Number	% of Total
Home	222	69%
General Hospital	30	9%
Mental Hospital	23	7%
Other	51	15%
	326	100%

B. DISCHARGES

TOTAL NUMBER OF DISCHARGES 346

SEX	Male 40%	Female 60%		
	Male	Female	Total	% of Total
	19	12	31	9%
	26	47	73	21%
	34	37	71	20%
	24	41	65	19%
	17	39	56	16%
	1	6	7	2%
	7	14	21	6%
	10	12	22	7%
	138	208	346	100%

	Number	% of Total
	91	26%
	61	18%
	45	13%
	72	21%
	5	1%
	14	4%
	9	3%
	12	3%
	36	11%
	1	*
	346	100%

DESTINATION	Number	% of Total
Community—direct	138	40%
from visit	106	30%
General Hospital	14	3%
Mental Hospital	65	20%
Death	23	7%
	346	100%

Legal Status	Number	% of Total
Voluntary	218	67%
Temporary Care	105	32%
40 Day Observation	—	—
Regular Commitment	1	*
No Status	2	1%
	326	100%

	Number	% of Total
	260	75%
	23	6%
	13	3%
	49	14%
	1	*
	346	100%

Condition On Discharge

	Number	% of Total
Recovered	13	4%
Improved—Much	48	14%
Moderately	102	29%
Slightly	83	24%
Unimproved	77	22%
Deceased	23	7%
	346	100%

Report of the Director of Internal Medicine

DURING the year covered by this report the health of patients and staff remained good. As has been usual during the past decade or more, the only fatal diseases encountered here have been the incurable ones that occur with greatly advanced age. Medical ward rounds have continued to favor improved medical care of the patients. As before, some of the psychiatric staff have persistently failed to take advantage of the fact that these ward rounds are excellent teaching exercises. A resident in medicine is still needed.

The clinical laboratory, faithfully and expertly served by Mr. Joseph N. Giancola, performs about 15,000 tests a year. About two thirds of the tests are hematologic in nature and most of the rest involve urinalysis, bacteriology, and chemistry. The function of this laboratory is to serve the clinical services and therefore it functions as a part of these services (In addition, its facilities are used for research in clinical physiology).

The pharmacy continues to increase its work year by year; the increase was about ten percent last year. However, the prescriptions for employees increased by half. A total of 27,000 prescriptions were filled, an average of over 500 per week. The fact that this great number of prescriptions has been filled with complete accuracy is a tribute to Mr. George Zager and his part-time assistant.

The X-Ray Department carried on over 1,500 examinations last year, an increase of about seven percent over the year before. However, roentgenograms of patients *decreased* by ten percent and those made on employees increased by almost a third. Mr. Herbert Davidson responded to the increased load of work with the expected equanimity and continued to maintain his incomparable skill in the handling of apprehensive or disturbed patients. Electrocardiograms numbered about the same as the year before, but basal metabolism tests decreased by over 80 percent (owing to the increased use of a blood test for thyroid disease).

The health of the employees deserves a special note. As noted above, the increase in the number of prescriptions filled for employees increased much more than the increase in the number filled for patients. In addition the number of employees' X-Rays also has increased greatly

— so much so that they outnumber X-Rays on patients. The reason for this apparent deterioration in employees' health is not evident. However the change is an indication of the greatly increased load on Dr. Virginia Calkins and the Clinic nurses. Their ability to carry out their duties under steadily worsening conditions of overcrowding deserves every praise.

Respectfully submitted,
MARK D. ALTSCHULE, M.D.
Director of Internal Medicine

Report of the
Director of Research in Clinical Physiology

THE research in clinical physiology of this department is carried on in several places. A considerable portion of it is performed on the premises of the hospital and uses, for evident administrative reasons, the facilities of the Clinical Laboratory (whose main function is to perform a clinical service for the Hospital). Much of this department's work is carried on in the laboratories of the Harvard Medical and Harvard Dental Schools; during the past year it was almost entirely with the Medical School, whose Department of Anatomy was the site of cooperative studies in experimental endocrinology. This association with the Department of Anatomy made available to us not only facilities which it would have been expensive both in time and money to duplicate here, but the knowledge and experience of anatomists that could not have been duplicated here. This phase of the work is drawing to a close, and when it is terminated, this laboratory will not be left with staff, apparatus, etc. that had outlived their usefulness.

Similarly, a temporary association with Dr. Julius Goldbarg, of the Beth Israel Hospital, was instituted in order to carry out certain studies on blood enzymes about which Dr. Goldbarg possesses unique knowledge. This fruitful association lasted about six months and enabled us to gain a large amount of valuable information without having to set up methods, purchase apparatus and hire and train personnel. (See report for 1959.) A study on the effects of Librium, under the clinical direction here of Dr. Jacqueline Gauthier, was made during the past year.

A similar temporary association was formed with Dr. Claude J. Meyer, of Dr. Somers Sturgis' department at the Peter Bent Brigham Hospital.

The work accomplished during the past year falls into several categories.

1. With Drs. Willis Roth, of the Harvard Medical School, and Richard J. Wurtman, now of the General Hospital, studies on pineal function in rats.

   In addition to the work reported in progress in the last annual

report, the following have been learned: a) Light and darkness have a profound effect on the size of the pineal gland and, to judge by gonadal changes, on its function also. b) Pinealectomy causes an increase in the size of the rat prostate gland; pineal extracts made here have the opposite effect. Neither pinealectomy nor pineal-extract administration affects the size of the testes.

2. With Drs. Claude J. Meyer, now of Zurich, and Richard J. Wurtman, studies of the estrus cycle in rats. Although the pineal extracts made here have no effect on the estrus in young rats (in the child-bearing age) these extracts have a markedly inhibiting effect in pre-menopausal rats. This difference is apparently owing to diminished secretion of pituitary gonadotropin in aging rats.
3. Studies on the isolation of the active material in pineal extracts. Activities reported in 1959 were continued.
4. Studies on aminochromes in the blood. Messrs. Richard L. Veech, Llewellyn B. Bigelow and W. Donner Denckla, all students at the Harvard Medical School, continued the work reported in 1959 and showed that as far as can be determined by modern methods, schizophrenic patients have in their blood and excrete in their urine large amounts of aminochromes — substances which belong to the group of hallucinogens. Close relatives of patients have smaller amounts in their blood. Attempts are now in progress to make this a test for routine diagnostic use.

Miss Marian Sturgis served as a volunteer technician during the summer. Mrs. Phyllis Holliday carried out her duties as research technician with her usual skill despite increasing family pressure.

Respectfully submitted,
MARK D. ALTSCHULE, M.D.
Director of Research in Clinical Physiology

Report of the Director of Scientific Research

DURING 1960, the construction of the 90-foot addition to the east of the original laboratory building has been completed. It provides 8,150 square feet in two floors and almost exactly doubles the space previously available. The upper floor, amounting to 4,250 square feet, has already been put to use by an expansion of the programs of the chemistry of structural components and of a quantitative histochemistry. It also houses an expanded reference library. The lower floor, with an area of 3,900 square feet has provided 950 square feet for new metabolic laboratories, 1,050 square feet for animal quarters and other general facilities, and 1,700 square feet for the biophysical laboratories. With part of a grant of $213,512 that has been received from the United States Public Health Service, the work of remodeling this space and of equipping it for use as biophysical laboratories, was started during August and is now nearing completion. The biophysical laboratories are expected to be in operation very shortly under the direction of Dr. J. D. Robertson.

During the year Dr. M. K. Gaitonde went to England for an extended visit and was placed on leave of absence until 1962. Dr. L. Amaducci returned to Italy, as scheduled. Six people joined the staff: Drs. J. Dobkin, E. Lewin, M. Matsumoto, L. C. Mokrasch, J. D. Robertson, and E. F. Soto. In addition, Drs. R. Carrasco-Formiguera and H. Moser have spent substantial time as guests of the laboratory. With these and other changes, the laboratory personnel has comprised sixteen professional people, eight research assistants, three laboratory assistants, and three secretaries, a total of thirty people, and an increase of twelve people over 1959. This increase, which is to continue during 1961, only reflects the increase in physical facilities.

Besides the funds earmarked for the remodeling of the biophysical laboratories, the laboratory received during the year, for current operations, ca. $139,000 from the United States Public Health Service and $30,000 more were available as carryover from the Ford Foundation grant of the previous year. The total of $169,000 represents an increase of $51,000 over the amount received during 1959, and reflects the substantial expansion in operations incidental to the placing in use of the new physical facilities. This expansion will continue for the next two or three years.

The scientific work done during the year was reviewed by the Advisory Committee on January 27, 1960. The following is a summary of the results reported.

Biochemical Studies

The work carried out during the year has been the continuation of earlier work and has been mainly concerned with different aspects of the biochemistry of the complex macromolecular aggregates, the recognition of which has been the result of earlier work of the laboratory. To review briefly, that work had shown that when nervous tissue was extracted with 2:1 chloroform-methanol, the extract contained chloroform-methanol soluble lipoproteins, the *proteolipids;* that, from the extract, by addition of 1/5 volume of water, an upper phase could be obtained which contained the macromolecular form of gangliosides, *strandin;* and, that, if the insoluble tissue residue was extracted with 2:1 chloroform:methanol acidified with HCl, the extract contained the *phosphatidopeptides,* which are phosphoinositides combined in some as yet unknown form with peptide chains. The phosphatidopeptides are themselves combined in the tissue with protein(s), presumably through a salt linkage.

During 1960, the work has dealt specifically with the purification and fractionation of proteolipides, and their distribution in nervous tissue; with the germane problem of the nature of the antigen(s) causative of allergic encephalomyelitis; with the chemical composition of pathological human brains, and of the developing rat brain; with strandin; with the chemistry and metabolism of phosphatidopeptides; with the metabolism of the carbohydrate moieties of brain lipids; with the continuing critical examination of current analytical and preparative methods; and, finally, with the exploration of novel methods of preparation of tissue which will be used in electron microscopy.

In the case of proteolipids, Dr. M. Lees and her group found that dialysis is a practicable procedure for the separation of proteolipids from free lipids. A proteolipid preparation purer than any prepared hitherto has been obtained by this new method. Dr. and Mrs. Matsumoto have succeeded in fractionating purified total white matter proteolipids into three different fractions by chromatography on silicic acid columns. Dr. Amaducci has observed consistent and significant differences in the concentration of proteolipids in thirty different anatomical areas. His results suggest that if proteolipids are indeed present in myelin, they must also be present in other tissue structures.

Work on the antigen(s) involved in allergic encephalomyelitis, carried out by Dr. Amaducci in collaboration with Dr. B. Waksman, of the Neurological Service of the Massachusetts General Hospital, has consisted mainly in a search for optimal conditions for the extraction from the tissue of the petroleum ether-soluble antigen(s) of Lipton.

The program of study of pathological human brains has been continued by Dr. M. Lees with the recent collaboration of Dr. H. Moser of the Department of Neurology of the Massachusetts General Hospitol. Complete analyses have been carried out on one brain each of metachromatic leucodystrophy, of leucodystrophy Krabbe type, of unclassified leucodystrophy (possibly Pelizaeus-Marzbacher), and of phenylketonuria.

Dr. J. F. Greaney has conducted an extensive study of the chemical composition of the developing rat brain. Besides finding the same general changes observed earlier in other species, he has established that the accumulation of DNA stops at an earlier date than that of RNA, an observation consistent with the histological picture, and that proteolipids are qualitatively identical at different ages.

Dr. Folch has been submitting strandin to dialysis in different media in an attempt to establish whether the particle size of $<250{,}000$ found for strandin in aqueous solutions represents molecular weight or consistent aggregation of smaller molecules.

The study of phosphatidopeptides (PP) by Dr. LeBaron's group has shown that inositol phosphate(s) in PP are similar to those in diphosphoinositide (DPI); that 'sphingosine-like N' in PP may well not correspond to sphingosine; and that P remaining in various brain protein fractions after presumably adequate lipid P and nucleic acid P removal, appear to be inositol phosphate(s) combined in moieties similar to PP. Dr. E. Soto has begun a critical examination of the current methods for the extraction of water-soluble brain proteins and lipoproteins.

Dr. LeBaron and Dr. Hauser have studied the incorporation of ^{32}P in PP. They have found that PP exhibit a very active incorporation of ^{32}P, which is fifteen times faster than that of the average incorporation in lipid P, and which is comparable to the very active incorporation of P in Phosphoinositides.

Dr. Hauser has continued his long range study of the metabolism

of the carbohydrate moieties of brain structural components. He has further extended and validated his basic method for the separation from tissue of different constituent carbohydrates. Observations on incorporation of radioactivity in various inositol fractions suggest that PP inositol and regular lipid inositol may represent different metabolic entities, an interesting suggestion because the respective inositols may belong to different pools. Repeated attempts to introduce radioactivity into inositol by brain homogenates and slices have failed. Dr. Dobkin has initiated a study of the metabolism of sialic acid and hexosamine in brain strandin.

Finally, Drs. Folch and Lees, in preliminary experiments have found that the amount of lipids and proteolipids leached from tissue blocks submerged in solvents varies reproducibly with conditions, with the suggestion that tissue components may be removed in a reproducible fashion. This opens the possibility that under proper conditions, certain components might be removed selectively, thus permitting correlation with parallel morphological observations.

Neuropathological Studies

(This part of the report prepared by Dr. A. Pope)

The central problem being investigated in this section of the laboratory continues to be determination of the elementary biochemical architecture of normal and diseased human cerebral cortex.

For study of the distribution of chemical structural constituents in relation to the cytoarchitecture of cerebral cortex along lines employed for enzymes in the past, further development and validation of previously described micro methods for analysis of lipid, protein, and nucleic acid fractions have been carried out, and a start made on determining the quantitative distributions of these materials within the layers and sublayers of human frontal isocortex. This work has continued to be under the direction of Dr. Hess. During 1960, particular effort was devoted to improving and simplifying the methods for determining cerebrosides (by galactose determination) and proteolipid proteins in microgram-sized samples of brain tissue, and to establishing securely the specificity and accuracy of a fluorometric method developed in this laboratory for measuring the sialic acid component of the gangliosides.

Experiments are now being carried out by Dr. Hess, Dr. Lewin, and

Miss Thalheimer upon the intralaminar distributions in normal human isocortex of the following structural components: total, proteolipid, and residue proteins; total lipid, cerebrosides, and gangliosides; and both ribose and deoxyribose nucleic acids. During 1960, an opportunity was afforded for carrying out a study of this type in one case of Jacob-Creutzfeld disease which succumbed at a relatively early stage of illness and in which histopathologically the cortex showed relatively good preservation of its architecture and neurone population. The results indicated some decrease in total protein throughout the cortical layers and a rise in DNA content corresponding with a general increase in cellularity.

Experiments are continuing on the activities and intracortical distributions of enzymes in autopsy specimens of human cortex in the late life dementias (Dr. Pope). The enzymes include acetylcholinesterase (AChE), L-alanylglycine dipeptidase, and lipase activity versus tri-N-butyrin. These enzymes are being studied as rough indices, respectively, of neuronal integrity and of the potentialities for protein and lipid breakdown in necrotizing and atrophic processes. During 1960, two examples of Jacob-Creutzfeld disease and two of clinical Alzheimer's disease were added to this continuing series of observations. All four specimens showed some decrease in AChE activity compared with previous findings in cortical biopsy material. The decrement in activity was consistent with the degree of nerve cell loss demonstrable histopathologically in each one of these cortices.

Dr. Dreyfus (assisted by Miss Moniz) has continued with his work on the microchemistry and neuropathology of experimental thiamine deficiency. For the most part, the pathological studies are being pursued at the Massachusetts General Hospital and have included a large series of observations on the brain stem and peripheral nerve lesions found in experimentally depleted rats.

The biochemical studies have centered around measurement of the thiamine-dependent transketolase system that participates in the pentose shunt mechanism, including further development and validation of a micro method for determining transketolase activity and its employment for study of this enzyme in various regions of the nervous system in normal and thiamine deficient rats. In the brains of severely depleted animals, transketolase activity has been found to be reduced by about 50%; in the sciatic nerves activity is only 35% of normal. It is not restored by addition of thiamine or cocarboxylase, suggesting loss of

the apo—as well as the coenzyme. Studies continue in progress on transketolase (and are planned for other thiamine-dependent enzymes) with respect to their distribution patterns within the central and peripheral nervous systems and to the effects on their activities of experimental deficiency, anti-vitamins (oxy—or pyrithiamine), and other inhibitors (arsenic compounds, etc.).

An essential adjunct to each of the foregoing projects continues to be study of neuropathological material stained by chromatic and metabolic techniques specific for each one of the histological components of nervous tissue (preparations by Mrs. Rose).

Respectfully submitted,
J. FOLCH-PI, M.D.
Director of Scientific Research

Report of the Psychology Department

DURING the past year, the Psychology Department has continued its major functions of psychological testing, research, and teaching.

A total of 125 patients were seen for psychological testing, and 408 tests were administered. The results of most of these tests are presented at the work-up conferences on newly admitted patients, and are also helpful in the periodic re-evaluation of patients since two sets of test protocols can be compared to note changes and degree of improvement after various lengths of hospitalization.

Teaching activities have continued to include psychiatric residents, nurses, and medical students. A seminar on the Theory and Practice of Psychological Testing has been offered to psychiatric residents and interested members of the Social Service and Social Science Departments. In the near future we hope to offer a course on Scientific Method to second and third year residents. Miss Swinson of this department has continued her work with the Nursing Education Department on its orientation program for graduate nurses and aides and meets regularly with the student nurses. Our teaching of the Harvard Medical Students each month is integrated with the hospital's general training program. Plans are being made with the Department of Social Relations at Harvard University to offer supervision in psychological testing for the practicum training of graduate students in that department.

Some of the research projects begun the previous year have been continued. Dr. Pierce's project, supported by a grant from the National Institute of Mental Health, on the relationship between defense mechanisms and perception, is near completion; the results suggest that there is not a clear relationship between the ratings of ward behavior with respect to degree and form of expression of anger and the ease or difficulty in perceiving angry words presented visually. Dr. Schnitzer of this department has been working with Dr. Rose Coser of the Social Science Department on an analysis of some of the socio-psychological determinants of laughter. He is also continuing research on the "self concept." Dr. William F. Soskin's research, sponsored by the National Institute of Mental Health, has expanded and he and his staff have moved to new and larger quarters where he has established a psychological research laboratory. His work is concerned with studies on long term sequences of social behavior and vocal communication.

We were sorry to lose Dr. Phyllis Ackman, who has joined the staff of the Jewish Board of Guardians in New York. We have added a new psychologist, however, and are happy to welcome Mr. Herbert Hoffman, who joined our staff in September after serving as a trainee at the VA hospital in Bedford.

Respectfully submitted,
IRENE R. PIERCE, PH.D.
Director
Psychology Department

Report of the Social Science Department

THIS past year has been one of consolidation and expansion of activities. In September 1959 the Department of Social Science was brought together in newly redecorated offices in the Service Building. During the year major support of research was received and "service-oriented" activities grew in number and scope.

The director of the department again changed. Dr. William Caudill, who assumed the position of Acting Chief upon Dr. Robert Rapoport's resignation, left in July 1960 to join the staff of the Laboratory of Socio-Environmental Studies at the National Institute of Mental Health. Dr. Norman Bell was appointed to succeed Dr. Caudill.

The main concern of the department is research and the department supports itself by research grants. During this year grants totaling over $100,000 were awarded by N.I.M.H., National Science Foundation, and the Foundations' Fund for Research in Psychiatry. Dr. Rose Coser began a study of the socialization of psychiatric residents into their professional roles. Dr. Murray Melbin continued as a Russell Sage Foundation Fellow and got support for his study of the dimensions of interpersonal behavior of psychiatric aides and patients. Dr. Anne Parsons continued her studies of cultural influences in the content of delusions and spent the year in Italy studying Italian family structure and schizophrenia. Dr. Bell continued his collaboration with Dr. Stanley Eldred, Staff Psychiatrist, and Dr. Lewis Sherman of the Psychology Department. This group received support for a three-year study of the relationships of ward environment and fluctuations in the symptoms — both psychological and physical — of chronic schizophrenic patients.

Social Science research has come to be an established part of hospital life. Three of the four projects in progress are centered in the Social Science Department but rely heavily on the cooperation of other departments. The project of Drs. Eldred, Sherman, and Bell includes Mrs. Mollie Grob of the Social Work Department, and thus crosses several departmental lines. It is hoped that this stimulates a greater interest in and appreciation of research throughout the hospital and may become a pattern for future research.

In addition to research, members of the department have been devoting an increasing amount of time to "service-oriented" activities.

An introductory course in social science was offered in the McLean Hospital School of Nursing; a series of conferences on the concepts and concerns of various social sciences was presented; a study of turnover and absenteeism of aides was made; and an examination of medical record-keeping procedures was carried out with a view to revising the statistics on patient population presented in the Annual Report. In addition individual members consulted with various ward administrators regarding the social aspects of ward management. Such opportunities to bring social science to bear on the daily life of the hospital are gratifying and challenging to the department.

In addition to the departure of Dr. Caudill there have been two other changes in personnel. Dr. Bernard Segal completed his study of the attitudes of nurses toward patients and accepted a teaching appointment at Goucher College in Baltimore. Dr. Donald Kennedy completed his post-doctoral fellowship with the Training Program for Social Scientists in Medicine and joined the staff of Arthur D. Little, Inc. He is working at the company's Cambridge office and still retains an interest in McLean. There have also been additions to the staff: Richard Longabaugh, Carole Peirson, and Janice Stroud were hired as graduate research assistants by various projects.

Respectfully submitted,

WILLIAM A. CAUDILL, PH.D.
Former Acting Chief
Social Science Department

NORMAN W. BELL, PH.D.
Acting Chief
Social Science Department

Report of the Department of Psychiatric Social Work

THE Social Work Department continued to offer casework service to patients and/or families prior to admission, continuing through hospitalization, and after discharge when indicated.

A new statistical report was introduced to obtain a more detailed analysis of the services offered. Emphasis was placed on the importance of each worker accomplishing at least 20 interview hours per week. Approximately 500 to 600 interviews were conducted monthly with a total of 6281 in-person interviews during the year. An average of 120 inpatients or their families were seen monthly while about 35 outpatients or their families were seen monthly. In about one-third of the cases, the casework was focused on the patient, in one-third of the cases, on the family, and in one-third, on both. Due to the heavy pressure of service activities, the workers had insufficient time for dictation as evidenced by the large number (95) of undictated cases. It should be noted that in September, 1960, because of budget restrictions, it was not possible to replace a worker and yet the department carried 4 more cases (149) than in September, 1959 (145). A total of 446 patients and their families received services during the year.

In addition to the casework services, the various teaching programs were strengthened. Members of the department continued their active roles in the professional social work organizations. Particular attention was given to the problems of the adolescents and their families. Because of the increasing numbers of such patients and the growing concerns about their educational programs, it was recommended that an educator be hired to develop classroom teaching in the hospital. About 10 patients attended public and private high schools and colleges, while about 10 patients were tutored in the hospital.

In March, 1960, the Massachusetts Rehabilitation Commission assigned Mr. Edward McHugh, rehabilitation counselor, to the hospital to participate in developing a program of vocational retraining and job finding. This service has contributed immeasurably in assisting with discharge planning.

During the year the following resigned: Mr. Henry Mirsky and Miss Elizabeth Johnston, caseworkers, and Miss Willette Pierce, group

worker. In June, 1960, Mrs. Mollie Grob joined the department to work on a research project with members of the Social Science Department and other hospital disciplines. In September, 1960, Miss Rae Fishman, caseworker, and Miss Jo Ann Glotfelty, group worker, joined the staff.

The Volunteer Program

A professionally trained social group worker was hired to develop and promote the volunteer program. The first year of operation was marked with success: thirty-nine high school and college students, women, and retired men gave about 200 hours of service monthly in fifteen hospital areas. Working with the Director of Volunteers, a volunteer committee drafted a *Handbook for Volunteers* and planned a one-day orientation institute in February, 1960. It is hoped that during the forthcoming year there will be more emphasis on the training and education offered to the volunteers.

Respectfully submitted,
Golda Edinburg
Director, Psychiatric Social Work

Report of the Department of Activity Therapies

THE total number of patients who participated in the voluntary program of activities remained approximately the same as the previous year in each section of the department, with the exception of music where an all-time high of 44 music students was recorded. The effectiveness of the interview system, which was developed last year, is reflected in the involvement of the same number of patients in activities in spite of a lower hospital census. However, a decrease in the average daily attendance was noted. This is attributed to several factors: the increase in the number of patients working at jobs within the hospital, the trend to return patients to work at jobs or to attend classes in the community while still living in the hospital, the increase in the number of patients being tutored, other appointments and commitments (individual and group therapy, morning rounds, etc.), and finally, the frequent shortage of available nursing personnel to escort patients to activity areas.

On June 1st, changes in the staff organization were made when Mr. Charles B. Dawson, who provided professional direction to the department, resigned. Mrs. Ada Roth was appointed Chief Activity Therapist to head the department. In addition to the new responsibilities assumed, she will continue to serve as Supervisor of the Recreational Therapy section. The duties of Assistant Chief Activity Therapist were designated to Mr. Lawson B. Mooney who will continue as Creative Arts Instructor. The position of Staff Recreational Therapist, which was filled by Mr. Angus MacDonald until his retirement on September 30th, has been eliminated for budgetary reasons. The staff complement is now eleven full-time and five part-time personnel.

With the appointment of a department head, several changes in administrative procedures were effected within the department directed toward more efficient and smoother operation. A more uniform method of record keeping is currently being formulated.

The program was considerably enriched by the services of 22 community volunteers who gave a total of 770 hours. Some of the scheduled activities in which volunteers were especially prominent were the library teas, the horticultural class, a class in cooking, beach trips, and a great books discussion group.

Many patients have worked at various jobs in each section of the department, but library work seemed to have the greatest appeal with over forty patients participating.

The teaching program was modified, and the course outline for student nurses revised to include a general presentation of the department with emphasis on the role of the nurse or aide in Activity Therapies. The method of orientation of the new residents to Activity Therapies was changed so that a tour of each unit is now included.

The purchase of an enameling kiln, a tilting arbor circular saw, and an electric polishing lathe for West O. T. has increased the variety of crafts available and allows for more advanced techniques and improved results. Painting of the patients' library has greatly enhanced the atmosphere of this area. Removal of all but one staff conference to Pierce Hall has returned the library to its optimum use for patients.

Recommendations and future planning include:

1. The purchase of a dependable stove and refrigerator for East O.T. so that domestic science, which has been requested by several physicians, can become an integral part of the O.T. program.
2. Coverage from Nursing Service to offer more than one evening a week of planned recreational activities to the total patient population.
3. Consideration as to the practicality and feasibility of consolidating East and West O.T. whereby O.T. might be integrated into a more effective unit.
4. More study and cooperative planning to place the adolescent patient in activities according to mental status and group needs. The increase in the adolescent population has presented specific and challenging problems in so far as programming is concerned. A more structured program is indicated.
5. Further evaluation of the role and function of Activity Therapies in the total treatment program to determine where the department fits in the clinical structure of the hospital.

In conclusion, special thanks and appreciation are expressed to the administrative, medical and nursing staff, department heads and members of their respective departments whose fine cooperation has made it possible to carry on successfully such a varied activity program.

Respectfully submitted,
ADA A. ROTH
Chief Activity Therapist

The Nursing Service

THE promotion of sound organizational planning for hospital nursing service has continued throughout the year. The special committee on nursing service organization has for many months worked long and arduously with prime concentration upon the development of a workable philosophy for nursing service personnel. The source materials used have come from psychiatric and general hospitals in the United States; from the Group for the Advancement of Psychiatry Reports; from *The Mental Hospital* by Stanton and Schwartz; from McLean Hospital and Massachusetts General Hospital publications and records; from national nursing professional publications; from other general publications which contained specific aspects relating to philosophy; and from group discussions during several meetings of the present Administration of Nursing Service Committee. Thus, the special committee on organization formulated what might be included in a nursing service philosophy and set up a critique as follows: 1) concept of our social order; 2) comprehensive nursing care; 3) research; 4) education; 5) community relations; 6) therapeutic milieu; 7) ideal of service to all patients; and 8) inter and intra department correlation relating to nursing care. From this background and the continuous study of the components selected as all important in our beliefs, the special committee presented its recommendations to the committee on Administration of Nursing Service which is composed of nursing service representation from administrative, supervisory, and head nurse groups. The proposed philosophy was accepted unanimously and approved by the Director of Nursing Service. The accepted philosophy is hereby recorded as follows:

> We believe that the Nursing Service, functioning within the philosophy and objectives of the McLean Hospital, and recognizing the inherent worth and dignity of each human being, should foster the ideal of service to all patients.
>
> We believe it is our responsibility to provide comprehensive nursing care, which includes consideration of the physical, emotional, social, and spiritual needs of the patients.
>
> We believe it is our responsibility to provide a therapeutic environment with emphasis on the need to aid and support the patient in the promotion of mental health, by the development and guidance of interpersonal relations, and the use of other applicable nursing skills.

We believe that the best patient care can come about only through one's individual participation and cooperation with all members of the hospital who, directly or indirectly, are a part of the psychiatric team.

We believe the continually changing concepts of patient care make it essential that the Nursing Service of McLean Hospital shall work for a mutual understanding with the community to promote the common goal of meeting the health needs of the patient.

We believe that continuous education, research and evaluation, carried out by either the nursing profession or others, are necessary if nursing practice and patient care are to be improved.

The special commmitte on organization has been studying further to develop the objectives of the Nursing Service in the light of its accepted philosophy along with a functional structure to include representation and participation of all nursing personnel in the work of the service. Although it is anticipated early in 1961 that the overall organizational structure will be ready for improved function, it has been recognized that continuous study and revisions will occur in the future as the need arises. It is also anticipated that a plan of organization in the form of a chart will be developed showing the areas of responsibility, to whom and for whom each person is accountable, and the major channels of formal communication.

New nursing procedure manuals were compiled and distributed during the year. The manual contains current McLean Hospital nursing procedures and Massachusetts General Hospital nursing procedures, which are common in both hospitals and taught to all basic McLean and Massachusetts General Hospital student nurses. Currently the Committee on Nursing Practice has been studying basic procedures in order to integrate special needs in psychiatric nursing practice. The committee completed the revision of twelve procedures, which were approved and put into practice. Incomplete studies on other procedures are in process. Several hospital procedures relating to nursing practice were studied and recommendations made.

The accomplishments of inservice education for nursing personnel showed an inclusion of programs toward skill training and development of leadership and management qualities as well as a continuance of orientation classes. The orientation courses were repeated seven times. Thirty-five psychiatric aides and one licensed practical nurse completed a forty hour course and received cards of recognition. A special program was geared to the role of the psychiatric aide and aides were included in the planning and execution for all nursing personnel in

eight other programs centered around current needs in the nursing care of the psychiatric patient. A series of two hour lecture discussion meetings for graduate nurses on dynamic psychiatry led by a psychiatrist was offered every second week during a four month period. Volunteer evening attendance varied from 10 to 20 in each session. The series was considered to be extremely useful to the nurses in their approach to patients. A thirty-two hour Ward Management Course offered to thirteen Head Nurses was completed. The content of the course included the position and functions of the head nurse; principles of management; relationships to auxiliary personnel and other departments; factors affecting nursing care; staffing patterns; supervision and evaluation of personnel; direction and appraisal of nursing service; reports and schedules; hazards, accidents and safety; and, student education. Plans to offer a ward management course to assistant head nurses and staff nurses have been discussed.

The hospital provided several educational and professional opportunities outside the hospital. Seven nurses attended a special conference on psychiatric nursing sponsored by the American Nurses Association in New York City. Other members of the staff were representatives of the Nursing Service at national and state conventions of the nursing organizations and one administrator attended the annual institute proceedings of the American Psychiatric Association in Buffalo, New York.

Special arrangements have been made for nurses and psychiatric aides, who work either full time or part time, to continue their education at nearby colleges. Nineteen nurses and fifty-seven psychiatric aides have realized this opportunity.

The scholarship plan has continued to attract nurses. During the year nineteen nurses studied part time and one nurse studied full time on the McLean Scholarship at two of the local colleges and universities, and a total of 167 credits was earned.

Principally through the efforts of the head nurse and supervisory staffs, a master staffing pattern was drafted for the fiscal year 1960-1961. The purpose of the pattern was to indicate the total number of nursing personnel of each category required to provide an average of 6.5 nursing care hours per patient per day. The amount of nursing care provided on each unit during the previous fiscal year was reviewed. Anticipated changes that might occur on any unit necessitating staffing variations were explored and included in the planning. Final formulation of the pattern was established through the participation of the

administrative and medical staffs in cooperation with the nursing staff. The master staffing pattern was used as the basis for establishing the salary and wage aspect of the total nursing budget.

Temporarily one position of Assistant Director of Nursing Service has been dropped. Mr. Americo Zerneri was promoted from the supervisory service to the newly created position of Administrative Assistant. He is a graduate of the McLean Hospital School of Nursing, holds a B.S. in Nursing from Boston College School of Nursing, has had 8½ years of experience in psychiatric nursing at the Northampton Veterans Administration Hospital as staff nurse, head nurse and supervisor as well as one and a half years as staff nurse and supervisor at this hospital.

Four appointments were made in the supervisory group during the year. The appointments were: 1) Miss Mary E. Pease, R.N. (currently matriculated at Boston University School of Nursing); 2) Miss La-Vonne E. Davidson, R.N., B.S. in Nursing Education; 3) Mr. Paul V. Donnelly, R.N. (currently matriculated at Boston University School of Nursing); and, 4) Mr. William H. Cummings, R.N. (currently matriculated at Boston College School of Nursing).

In May 1960, the Nursing Service Department was authorized to make certain changes pertaining to the employment of psychiatric aides. The single category of psychiatric aide was changed to include two categories. Psychiatric Aide II is an aide employed with relatively little experience who learns on the job and undertakes early during his employment the usual orientation courses for incoming personnel of the Nursing Service Department. His salary ranges from $48 to $56 per week. Psychiatric Aide I is an aide who advances from the classification of Psychiatric Aide II by virtue of the development of skill in his work and who fulfills certain formal requirements such as the completion of a course for aides to be taught in the hospital, and the passing of an examination to show his proficiency; or an aide who at the time of his employment is known to have experience and training considerably beyond that of Psychiatric Aide II, and whose qualifications are comparable to those that would be possessed by taking the course referred to above and passing the examination. The Psychiatric Aide I salary ranges from $57 to $67 per week. After careful evaluation salaries and categories of aides who were already employed by the hospital were duly established. Plans for the development of the criteria of each category in regard to abilities, duties, examinations, and education are as yet incomplete. In order to promote this program a new position

entitled Supervisor of Aides was created. This position has not yet been filled.

The average number of graduate nurses during 1959-1960 was lower by 3 than the previous year. The decrease brought the total to 89 full time and 6 part time nurses at the end of 1959-1960 fiscal year as compared to 92 full time and 9 part time at the end of the previous fiscal year.

The average number of psychiatric aides has decreased from 88 to 78 and the part time from 15 to 14.

At the end of the fiscal year 1959-1960 the following budgeted positions were unfilled: Supervisors — 1; Head Nurses — 3; Assistant Head Nurses — 1; Staff Nurses — 13; and Psychiatric Aides — 9.

Activities shared with the hospital administration and personnel from other departments have continued. Project activities which are incomplete or uninitiated as yet include the development of fire prevention plans of action for the two geriatric services in second floor buildings and the two nurses residences; a master disaster plan of education and action; evaluation of the facilities in terms of patient care and nursing personnel needs as to adequate equipment in all areas; re-organization of inventories in all nursing areas; and, evaluation of nursing functions to eliminate non-nursing functions.

The aims of the nursing service for the coming year include plans for increasing and improving the function of the psychiatric aide; further development of graduate nursing personnel on all levels through continuous inservice education; reviewing the evaluation and counseling techniques used for all nursing personnel; and developing a departmental policy book. Further plans include the study, revision and recommendations for increased salary ranges for administrative and supervisory nursing personnel.

Recommendations for the improvement of nursing services in 1961 and 1962 are: 1) that salary ranges be made comparable to those usually paid in most parts of the United States (qualified nursing service administrators and supervisers in particular); 2) that one position as Instructor in Psychiatric Nursing be considered to supplement a comprehensive program of inservice education; 3) that the approved position named Supervisor of Psychiatric Aides be re-named as Instructor of Psychiatric Aides; 4) that the budget for Scholarship Grants to Graduate Nurses employed at McLean Hospital be increased to $4,000

annually; and, 5) that the health services to paid personnel be evaluated in order to clarify the extent of services available.

Members of the nursing staff wish to express their appreciation for the help and guidance given during the year by the Board of Trustees, the Medical Staff, the Administrative Staff, and all the other hospital departments.

The School of Nursing

The progress made toward improvement in educational practices in the McLean Hospital School of Nursing has been shown by better selection of applicants, reorganization of administration and functions of the faculty, improved physical facilities, increased use of consultation services particularly in the guidance and counseling area, inservice education programs designed specifically for the faculty, initiation of a study of the total curriculum including learning experiences in the clinical areas, increased library resources including the appointment of a part time librarian, and participation in the cost studies in diploma schools of nursing co-sponsored by the National League for Nursing and the United States Public Health Service.

A review of the structure of the faculty organization was completed with a revision of the Constitution and By-Laws. Two major changes were (1) that Nursing Service representation will be accomplished through the coordinating discussion group rather than the use of a regular faculty member, and (2) that future planning will include the appointment to the faculty as a regular member the instructor responsible for McLean students while on affiliation for medical and surgical nursing at the Massachusetts General Hospital, thus increasing the number of major clinical area representations on the faculty in the home school.

An important development during the year has been the active participation of an informal coordinating discussion group which was formulated in 1959 for the purpose of integrating the education of the student with the Nursing Service in a more effective manner. Policies were formulated and recommended to the Director of the School of Nursing and Nursing Service pertaining to staffing patterns and student rotation, student assignment and employment, and student escorting of patients. Further discussions centered around instruction of students in the clinical areas, functions of the instructors assigned to the various clinical areas, orientation status of the student, use of evening assign-

ments of students and supervision of students in the administration of medicines. It is mutually agreed by the members of this discussion group that the spelling out of its functions in the coming year will be expedient.

Twenty-two of 130 applicants were accepted in 1959-60; by comparison 21 of 119 applicants were accepted in 1958-59. Recruitment procedures were discussed at length. The increase in the number of applicants might be traced to recruitment announcements and a circular letter to the members of the Alumni Association. Participation of two faculty members on the Committee on Careers of the Nursing Council of the United Community Services of Boston has continued. One male student participated on a television panel sponsored by this group. Faculty in-service education was geared to help faculty members in selection processes, principally the techniques of interviewing, and will continue in the coming year.

The student association has been busy throughout the year. Revision of the Constitution and By Laws of the organization, revision of the Rules and Regulations in living areas, revision of the student nurse uniform policies, and the adoption of a school ring to replace class rings has been approved by the faculty. Incomplete projects include the revision of the school handbook and proposed policies of the Dormitory-Judiciary Board. Student fund raising was prominent this year. The association financed the attendance of two representatives, Miss Etta M. Bryant and Miss Helen MacLeod, at the National Student Nurses Association convention held in Miami, Florida; contributed to the 150th Anniversary Hospital Fund; and, supplied the school library with a year's subscription to "Tomorrow's Nurse," the magazine publication of the National Student Nurse Association. Other contributions made by students have included participation in Christmas activities, reporting of school activities which were published in the Newsletter, and playing host to 600 student nurses at the annual business meeting of District #5 of the Massachusetts State Council of Student Nurses, when a McLean student, Paul A. Greenwood, was elected treasurer of that organization.

A public Investiture Service was held in February at the Samuel Eliot Memorial Chapel in the form of a Nightingale Service. Mr. Joseph T. Prekup, Administrator at McLean Hospital, gave the address.

The annual Graduation Exercises were held in September. Mr. Alphonse Sootkoos, Psychiatric Nursing Consultant for the State of New

Jersey, gave the commencement address. At these exercises the graduating class presented the gift of a tape recorder for use in the School of Nursing.

The members of the student association appreciate the gift of a piano for their recreation room made by Mrs. Eleanor Lukes, Secretary in the Social Service Department of the hospital.

The McLean Hospital Nurses Alumni Association have again shown vital interest in the school by raising their $150 annual scholarship to an incoming student to $300. The membership also gave the sum of $100 to the student association to aid in the convention expenses this year and voted to raise $100 for the same purpose during the coming year.

The approved complement of the faculty was increased by the appointment of a part time librarian, Mrs. Erma Kuldau, R.N. Miss Frances Foley, Second Assistant Director of the School of Nursing and Instructor in Sciences resigned during the year. After careful review the above title and position was abolished and administrative functions were transferred to the Assistant Director of the School of Nursing who will delegate certain of these responsibilities to the individual instructors. A new position with the title of Instructor of Science and Pharmacology was created, and Mrs. Eleanor N. Peloquin, R.N., a graduate of Massachusetts General Hospital School of Nursing and a matriculated student at Boston College, was appointed in June. Mrs. Martha W. Pride, R.N., Instructor in Psychiatric Nursing, returned from leave of absence at Boston University where she received her M.S. qualifying as a Clinical Specialist in Psychiatric Nursing. Miss Nancy Bowker, R.N., B.S. was promoted from Assistant Instructor to Instructor in Nursing. Because of difficulty in filling the position of Clinical Teaching Intern in Psychiatric Nursing, approval was given to fill the vacancy either with the above title or by an Assistant Instructor in Psychiatric Nursing. The vacancy was unfilled at the end of the fiscal year.

In order to improve their professional preparation four faculty members have attended college on a part time basis. Two members utilized the graduate nurse scholarship offered by the hospital. Faculty members have attended numerous meetings, institutes and work shops as they were offered by various professional organizations, bringing back to the group new methods and ideas for general use in the organization.

The general aims of the faculty for the next year are to strengthen the program in nursing with particular reference to the curriculum, the

recruitment program, the guidance and evaluation of the student and the inservice education of the faculty. The members of the faculty as a group will continue to concern themselves with recommendations for adequate facilities for the hospitalization of students who are ill, and for improved living areas. Other plans include study, revision and recommendations for increased salary ranges for faculty members.

Recommendations to the officers of the hospital for the improvement of the School of Nursing are:

1) that suitable facilities for the care of ill students be provided;
2) that the redecoration of the Higginson House be continued into the individual room areas and that the furnishings continue to be replaced until complete and satisfactory;
3) that the redecoration of the Men Nurses Home be continued throughout the building and that the furniture be redecorated or replaced until complete and satisfactory;
4) that the approved faculty position as Clinical Intern in Psychiatric Nursing or as Assistant Instructor in Psychiatric Nursing be continued and that if said position cannot be filled by a McLean graduate, graduates of schools affiliating at McLean may be chosen depending upon suitable qualifications including one year of psychiatric staff nursing experience;
5) that salary ranges for faculty members be made comparable to those usually paid in most parts of the United States; and,
6) that honorariums be considered in the budget for contributions made by professional participants.

The faculty join me in extending appreciation to all those who contributed in the operation of the School of Nursing this past year and look forward to a continuation of similar relationships in the coming year.

Respectfully submitted,
MARGARET C. TIBBETTS, R.N.
Director of the School of Nursing and Nursing Service

McLean Hospital
Reports of the School of Nursing and Nursing Service

NURSING SERVICE PERSONNEL, YEAR ENDING OCTOBER 2, 1960

	Women	Men	1959-60
Average No. Graduates	66	23	89
Average No. Graduates—*Part time	5	1	6
Average No. Licensed Practical Nurses	1	0	1
Average No. Licensed Practical Nurses—*Part time	1	0	1
Average No. Accepted Students	3	17	20
Average No. Preclinical Students	5	15	20
Total	81	56	137
Average No. Psychiatric Aides	32	46	78
Average No. Psychiatric Aides—*Part time	6	8	14
Total	38	54	92
Total No. Preclinical Students Admitted	9	14	23
Preclinical Students Dropped or Resigned	2	2	4
Accepted Students Dropped or Resigned	6	1	7
Total Dropped or Resigned	8	3	11
Students Graduated	2	8	10
Student Veterans Enrolled—P.L. 550 and P.L. 894	0	10	10

*Expressed in equivalent of full time

NURSING SERVICE PERSONNEL, OCTOBER 3, 1960

	Women	Men	Total
Graduate Nurses			
Full time	59	23	82
Part time	10	4	14
Total	69	27	96
Licensed Practical Nurses	4	0	4
McLean Hospital and Affiliating Student Nurses			
Accepted Students	12	17	29
Preclinical Students	8	14	22
Affiliating Students from Other Schools	43	0	43
Total	63	31	94
Total Nursing Personnel	136	58	194

REPORT OF THE NURSING DEPARTMENT

	Women	Men	Total
Psychiatric Aides			
Full time	39	46	85
Part time	11	13	24
Total	50	59	109
McLean Students on Affiliation			
Massachusetts General Hospital	3	16	19
The Children's Hospital	4	0	4
Boston Lying-in Hospital	5	1	6
Total	12	17	29
Affiliating Students From Other Schools			
Who Completed Course 1959-1960:			
Massachusetts General Hospital	107	0	107
The Children's Hospital	36	0	36
M.G.H. Radcliffe College Program	4	0	4
Simmons College School of Nursing	26	0	26
University of Massachusetts School of Nursing	8	0	8
Graduates	14	0	14
Total	195	0	195

Directory

A difficulty encountered in the yearly revision of this Directory is the frequent failure of individuals whose names appear herein to send us notification of changes of address or other pertinent data. We *urge* you to cooperate with us and send promptly any such changes either to our Secretaries' Office or to the Archives Department of the Hospital.

MEMBERS OF HOSPITAL STAFF, PAST ASSISTANT DIRECTORS, ALUMNI, AND PAST RESIDENTS

as of February 1961, including subsequent appointments received, effective up to and including July 1, 1961

Letters in small type, following the names, indicate the special work of individuals:—

a.: assistant
admin.: administrative; administrator
an.: anesthetist
anthropol.: anthropologist
assoc.: associate
attend.: attending
b.: bacteriologist
biochem.: biochemist
biol.: biologist
biophys.: biophysicist
c.: chief of service
c.r.p.: chief resident physician
c.r.s.: chief resident surgeon
cardiol.: cardiologist
chem.: chemist
cons.: consultant; consulting
d.: dermatologist
dir.: director
dn. s.: dental surgeon
e.: engineer
exec. a.: executive assistant
exec. o.: executive officer
gen. dir.: general director
hon. p.: honorary physician
hon. s.: honorary surgeon
h.p.: house physician
h.s.: house surgeon
immunol.: immunologist
l.: laryngologist
n.: neurologist
neurophysiol.: neurophysiologist
n.p.: neuropathologist
n.s.: neurosurgeon
obst.: obstetrician
oph.: ophthalmologist
oral s.: oral surgeon
otol.: otologist
otolar.: otolaryngologist
p.: physician
path.: pathologist
pharm.: pharmacologist
physiol.: physiologist
prin.: principal
psychiat.: psychiatrist
psychol.: psychologist
r.: radiologist
res. a.: research assistant
res. assoc.: research associate
r.p.: resident physician
r. psychol.: resident psychologist
r.s.: resident surgeon
s.: surgeon
sc.res.a.: scientific research assistant
sc.res.assoc.: scientific research associate
soc.: social
sociol.: sociologist
soc. sc.: social scientist
supt.: superintendent
u.: urologist
virol.: virologist

Italics indicate to what service of the Hospital the individual belongs:—

An.: Anesthesia
Anat.: Anatomy
B.: Bacteriology
Bd. of Cons.: Board of Consultation
Biochem.: Biochemistry
Biochem. Res.: Biochemical Research
Biol.: Biology
Biomechan.: Biomechanics
Biophys.: Biophysics
Biophys. Res.: Biophysical Research
B.M.: Baker Memorial
Cardiol.: Cardiology
Chem.: Chemistry
Clin. Physiol.: Clinical Physiology
C.M.: Children's Medical
Contag. Dis.: Contagious Diseases
D.: Dermatology
Dn.: Dentistry
E.M.: East Medical
E.S.: East Surgical

Ed.: Education
Gyn.: Gynecology
Immunol.: Immunology
Int. M.:Internal Medicine
L.: Laryngology
M.: Medicine
(*McL.*): McLean Hospital
M.G.H. Clin.: M.G.H. Clinics
N.: Neurology
Neurophysiol.: Neurophysiology
N.P.: Neuropathology
N.S.: Neurosurgery
Nurs. Serv.: Nursing Service
Obst.: Obstetrics
O.P.D.: Out-Patient Department
Oph.: Ophthalmology; Ophthalmic
Or.: Orthopedics
Otol.: Otology
Otolar.: Otolaryngology
Path.: Pathology
P.H.: Phillips House
Pharm.: Pharmacology
Phys. M.: Physical Medicine
Physiol.: Physiology
Prev. M.: Preventive Medicine
Psychiat.: Psychiatry
Psychol.: Psychology
R.: Radiology
Res.: Research
S.: General Surgical Services
Sc. Res.: Scientific Research
S.M.: South Medical
S.N.: School of Nursing
Soc. Anthropol.: Social Anthropology
Soc. Sc.: Social Sciences
Soc. Serv.: Social Service
S.S.: South Surgical
Syph.: Syphilology
T. Dis.: Tropical Diseases
Thd. S.: Third Surgical
T.M.: Tropical Medicine
Traum. S.: Traumatic Surgery
U.: Urology
W.M.: West Medical
W.S.: West Surgical

Supplementary list of abbreviations frequently used in this Directory:—
clin.: clinical
H.M.S.: Harvard Medical School
Inst.: Institute
j.: junior
Mass. E. & E. Inf.: Massachusetts Eye and Ear Infirmary
M.G.H.: Massachusetts General Hospital
M.I.T.: Massachusetts Institute of Technology
res.: research
R.N.: Registered Nurse
sc.: scientific
sr.: senior
v.: visiting
Vet. Adm. Hosp.: Veterans Administration Hospital

Addresses are in Boston unless stated to be elsewhere, and are in Massachusetts when no State is indicated.

AARONSON, L. D., a. *D.*
166 Wheeler Ave., Edgewood, R. I.
ABBOTT, J. A., a.n.; a.r.p. *Psychiat.* 1935 M. G. H.
Abbott, L. C., *Or.* 1916
Univ. of California Hosp., San Francisco, Calif.
ABI-TORBEY, K., a.r.s. *U.* M. G. H.
ABRAMOWICZ, M., a.r.p. *C.M.* M. G. H.
Acheson, G. H., *W.M.* 1939
Univ. of Cincinnati Coll. of Med., Cincinnati, Ohio
ACKERMAN, I.P., a. *M.* (*M.* 1951); r.p. 1955 226 Marlborough
ACKROYD, F. W., a.r.s. M. G. H.
ADAMS, F. D., *Bd. of Cons.* (*W.M.* 1918) 226 Marlborough
Adams, H. D., *E.S.* 1932; r.s. *E.S.* 1934 Lahey Clinic
ADAMS, JOHN, Jr., assoc. d.
704 Huntington Ave.
ADAMS, JOHN E., a.r.p. *Path.* M. G. H.
Adams, Ralph H., *W.S.* 1935; r.s. *E.S.* 1939 Huggins Hosp., Wolfeboro, N. H.
Adams, Raymond A., r.p. *N.* 1951
Med. Coll. of Virginia, Richmond, Va.
ADAMS, RAYMOND D., c. *N.* and n.p.; r.p. *N.* 1939 M. G. H.

Adamson, G. L., r.p. *N.* 1930
Winnipeg Clinic, Winnipeg, Manitoba, Canada

ADELSON, W. J., a. *C.M.*
Boston Post Rd., S. Sudbury

ADLER, M. H., attend. psychiat. (*McL.*) 130 Washington, Newton

Adler, S., sr.r.s. *Or.* 1959
4105 Silver, Albuquerque, N. M.

AESCHLIMAN, BARBARA L., a. attend. psychiat. (*McL.*)
McLean Hosp., Belmont

AGARD, E. T., a. physicist *R.*
M. G. H.

Ahnlund, N. W., r.s. *Or.* 1943
6th and Santa Clara, San Jose, Calif.

AISENBERG, A. C., a. *M.* M. G. H.

ALBERT, J., clin. assoc. *D.;* r.p. *D.* 1960 95 Lincoln, Framingham

Albright, E. C., *W.M.* 1942
Univ. of Wisconsin Hosp., Madison, Wis.

ALBRIGHT, F., *Bd. of Cons.* (*W.M.* 1926) M. G. H.

Albuquerque, P. F., r.s. *U.* 1944
Rua Assembléia 51, Rio de Janeiro, Brasil

ALDRIDGE, N. H., a.r. M. G. H.

Alexander, W. H., *W.S.* 1922 and *Thd.S.* 1923
Commercial National Bank Bldg., Iron Mountain, Mich.

Allen, D. W., *M.* 1955; a.r.p. 1956
M. G. H.

ALLEN, H. F., assoc.s. *Oph.* (*W.S.* 1943) 200 Beacon

ALLINSMITH, W., assoc. psychol.
M. G. H.

Allison, C. R., *W.M.* 1938; a.r.p. 1940 15 Prince, Rochester, N. Y.

Alper, J. M., *E.M.* 1935
1185 Park Ave., New York, N. Y.

ALPERS, D. H., a.r.p. (*M.* 1961)
M. G. H.

ALPERT, D. R., a.s. *Oph.*
1101 Beacon, Brookline

Alston, E. F., *Path.* 1944; a.r.p. *Path.* 1945 2305 Van Ness Ave., San Francisco, Calif.

Alt, R. E., *W.S.* 1933
1 Monument Sq., Beverly

Alton, B. H., *W.S.* 1916
Gansett, Woods Hole

ALTSCHULE, M. D., dir. *Int. M.* and *Res. Clin. Physiol.* (*McL.*)
McLean Hosp., Belmont

AMES, A., III, a. to gen. dir. *Res. and Ed.;* assoc. biochem. *N.S.* M. G. H.

Amick, A. F., *M.* 1957; a.r.p. 1958
3415 Minnehaha Ave., Minneapolis, Minn.

Andersen, E. W., a.r.p. *An.* 1948
Enighedsvey 7, Chl., Copenhagen, Denmark

Anderson, E. E., a.r.p. *C.M.* 1960
M. G. H.

Anderson, Erna G., r.p. *C.M.* 1943
Med. Dept., Eastman Kodak Co., 1669 Lake Ave., Rochester, N. Y.

Anderson, H. C., *Path.* 1959
Memorial Hosp., 444 E. 68th, New York, N. Y.

Anderson, R. L., *Or.* 1927
1208 Kanawha Blvd., East, Charleston, W. Va.

Andrew, N. W., r.p. *An.* 1956
Boston City Hosp.

ANGELINI, H. D., a.s. *Otolar.*
3 Seaward Ave., Wellesley Hills

ANGLEY, J. C., a. *M.*
School, Bryantville

ANNINO, D. J., a. *C.M.*
175 Washington, Winchester

Anthonisen, Margaret R., r.p. *Psychiat.* (*McL.*) 1934
Mary Hitchcock Memorial Hosp., Hanover, N. H.

Anthonisen, N. L., r.p. *Psychiat.* (*McL.*) 1932 Vet. Adm. Hosp., White River Junction, Vt.

Appel, S. H., *M.* M. G. H.

Aprahamian, H. A., a.r.p. *An.* 1956
Grace-New Haven Community Hosp., New Haven, Conn.

ARANAS, A. L., r.p. *Psychiat.* (*McL.*)
McLean Hosp., Belmont

Arnason, B. G. W., a.r.p. *N.* 1959
M. G. H.

Arnstein, A. R., *M.* 1956; a.r.p. 1957
11 Scarsdale Lane, St. Louis, Mo.

ARONOW, S., a. physicist *M.* M.G.H.

ARONSON, J. A., a. *Psychiat.*
50 Beacon

Arrowood, Julia G., r.p. *An.* 1936
Harlan Memorial Hosp., Harlan, Ky.

Arthur, R. J., *C.M.* 1952
U.S. Naval Hosp., Oakland, Calif.

Arzimanoglu, A. A., a.r.s. *Or.* 1952
1 Neofytoy Vamva, Athens, Greece

ASBURY, A. K., a.r.p. *N.* (*M.* 1959); a.r.p. 1960 M. G. H.

Ash, H. L., *Dn.* 1960 M. G. H.

Aster, R. H., *M.* 1958; a.r.p. 1959
8707 Grant, Bethesda, Md.

Atherton, L. D., r.s. *U.* 1952
321 W. Broadway, Louisville, Ky.

ATKINS, L., a. path.; r.p. *Path.* 1955
M. G. H.

Atsatt, R. F., *Or.* 1926
88C Thacher Rd., Ojai, Calif.

Atwood, W. G., *W.S.* 1921
151 Rock, Fall River

AUB, J. C., hon. p. (*E.M.* 1915); h.p. *E.M.* 1917 M. G. H.

AUFRANC, O. E., v.s.*Or.* (*Or.* 1938); r.s. *Or.* 1939 266 Beacon

AUSTEN, F. K., c.r.p. (*M.* 1955)
M. G. H.

Austen, W. G., *S.* 1956; r.s. 1960
National Inst. of Health, Bethesda, Md.

Austin, Grace L., r.p. *D.* 1930
25 Albert Ct., Kensington S.W.7, London, England

AUSTIN, R. C., clin. assoc. *S.* (*S.* 1951); r.s. 1956
Concord Med. Center, Concord; M. G. H.

Averill, J. H., *M.* 1947
264 Elm, Northampton

AYER, J. B., hon. p.; cons.n. (*McL.*)
319 Longwood Ave.

Ayers, W. B., *W.S.* 1943
1554 Northern Blvd., Manhasset, Long Island, N. Y.

Ayres, S., Jr., *W.M.* 1920
2007 Wilshire Blvd., Los Angeles, Calif.

Bacon, W. B., a.r.p. *Path.* 1951
S. Hamilton

Badal, D. W., r.p. *Psychiat.* 1942
11328 Euclid Ave., Cleveland, Ohio

Baden, H. P., a.r.p. *D.* 1960 M. G. H.

BADGER, T. L., *Bd. of Cons.* (*E.M.* 1928) 264 Beacon

Bagg, E. P., Jr., *E.M.* 1913
207 Elm, Holyoke

Bailey, D. W., *C.M.* 1959
River, Norwell

BAKAY, L., clin. assoc. *N.S.*; sr.r.s. *N.S.* 1951 M. G. H.

BAKER, DONALD V., Jr., clin. assoc. *S.* (*E.S.* 1943) 40 Broad

BAKER, DUDLEY M., a.r.s. *Or.*
M. G. H.

BAKER, G. P., Jr., r.p. (*M.* 1958)
M. G. H.

BAKER, M. P., p. (*E.M.* 1930)
262 Beacon

Baker, R. L., r.p. *N.* 1943
1020 S.W. Taylor, Portland, Oreg.

BAKER, WILLIAM H., assoc. p.
M. G. H.

Baker, William J., *W.S.* 1943
724 Main, Laconia, N. H.

BALAZS, E. A., biochem. *Oph.*
30 Chambers

BALBONI, G. M., hon. p.
78 Mount Vernon

BALBONI, V. G., a.p. (*W.M.* 1942)
M. G. H.

BALCH, F. G., Jr., *Bd. of Cons.* (*E.S.* 1925) 1180 Beacon, Brookline

Balfour, D. C., Jr., *E.M.* 1943
Las Encinas Hosp., Pasadena, Calif.

BALIUS, E. F., a.r.p. *An.* M. G. H.

Ball, R. E., r.p. *Psychiat.* (*McL.*) 1960
Toronto Psychiatric Hosp., Toronto, Canada

BALLANTINE, H. T., Jr., assoc. v.n.s. (*W.S.* 1939); a.r.s. *W.S.* 1941 and *N.S.* 1941 M. G. H.

Ballard, F. B., a.r.p. 1958
Med. Arts Bldg., Chattanooga, Tenn.

Bally, P. R., a.r.p. 1956
Medizinische Universitätsklinik, Kantonsspital, Zürich, Switzerland

Bandeian, Alice M., *An.* 1943; a.r.p. *An.* 1944 210 Pine, Holyoke

Bandler, B., r.p. *Psychiat.* 1941
Boston Univ.-Mass. Memorial Hosp. Med. Center

Banker, Betty Q., a.r.p. *N.P.* 1954
Children's Med. Center

Banks, H. H., a.r.s. *Or.* 1952
Peter Bent Brigham Hosp.

Banks, R., Jr., *E.S.* 1943
106 S. Enota Dr., Gainesville, Ga.

BARBOUR, JOSEPHINE C., c. *Soc. Serv.* M. G. H.

BARINGER, J. R., a.r.p. *N.* (*M.* 1960); a.r.p. 1961 M. G. H.

BARKER, R. H., clin. assoc. *Obst.* (*W.S.* 1937) 1101 Beacon, Brookline

BARLOW, JOHN F., a.r.p. *Path.*
M. G. H.

BARLOW, JOHN S., neurophysiol.
M. G. H.

Barlow, Joseph J., r.p. 1955
Presbyterian Hosp., New York, N.Y.

BARNES, B. A., a.s. (*W.S.* 1945); a.r.s. 1952 M. G. H.

Barnett, C. G., *M.* 1954
384 Post, San Francisco, Calif.

Barnett, T. B., *M.* 1950
Univ. of North Carolina Sch. of Med., Chapel Hill, N. C.

BARNUM, F. G., Jr., a. *M.* (*W.S.* 1945); j.r.s. 1946 1776 Beacon, Brookline

BARR, J. S., c. *Or.* (*Or.* 1929) M. G. H.
BARRETT, P. Van D., a.r.p. (*M.* 1961) M. G. H.
Barretto, O. de F., *An.* 1944
Rua Armando Penteado 356 (Pacaembú), Sáo Paulo, Brasil
Barrie, J. R., *S.* M. G. H.
Barrow, D. W., *E.S.* 1937
Milwaukee County Hosp., Milwaukee, Wis.
Barrows, L. J., r.p. *N.* 1952; r.p. *N.P.* 1953
Hosp. of Univ. of Pennsylvania, Philadelphia, Pa.
BARRY, H., Jr., assoc. psychiat.; r.p. *Psychiat.* 1944 M. G. H.
Barry, Richard M., a.r.p. 1957
Memorial Center for Cancer and Allied Dis., 444 E. 68th, New York, N. Y.
BARRY, RT. REV. ROBERT P., *Trustee* 71 Warner, W. Somerville
Barss, T. P., a.r.p. *An.* 1950
332 Windsor Ave., Medford, Oreg.
Barth, T. A., a.r.s. *Or.* 1957
2420 N. California, Stockton, Calif.
BARTLETT, M. K., v.s. (*W.S.* 1931) M. G. H.
Bartlett, W. M., *C.M.* 1927
125 Michigan Ave., Decatur, Ga.
Barton, L. G., Jr., *E.S.* 1914
132 Court, Plattsburg, N. Y.
Barton, T. C., a.r.s. 1960
Boston Lying-in Hosp.
Bate, J. T., r.s. *U.* 1925
301 W. Ormsby Ave., Louisville, Ky.
Batt, R. C., r.p. *R.* 1940
83 Park, Glens Falls, N. Y
BATTAT, F. A., a.r.s. *Or.* M. G. H.
BATTIT, G. E., c.r.p. *An.* M. G. H.
BAUE, A. E., r.s. (*S.* 1955) M. G. H.
Bauer, F. L., *Path.* 1941
military service
BAUER, W., c. *M.;* r.p. *W.M.* 1927 M. G. H.
BAUMGARTNER, D. A., Jr., a.r.s. M. G. H.
Bautista, Florosa A., a.r.p. *C.M.* 1958
Vet. Memorial Hosp., Quezon City, P. I.
Baxter, C. F., *W.S.* 1944; sr.r.s. *W.S.* 1946 Med. Arts Bldg., Sarasota, Fla.
Beaman, G. B., r.p. *Psychiat.* (*McL.*) 1936 63 Nichols Rd., Cohasset
BECK, KATHRYN S., r.p. *Psychiat.* (*McL.*) McLean Hosp., Belmont
BECK, W. S., a.p. M. G. H.
Bedell, R. F., *C.M.* 1958
Scarswold Apt., Scarsdale, N. Y.
Bedell, W. C., *E.S.* 1945
168 S. Cherry, Poughkeepsie, N. Y.
BEECHER, H. K., c. *An.* (*W.S.* 1934); a.r.s. *W.S.* 1936 M. G. H.
Beeman, C. B., *Path.* 1934
515 Lakeside Dr., Grand Rapids, Mich.
BEETHAM, W. P., s. *Oph.*
108 Bay State Rd.
BEHRINGER, G. E., a.s. (*W.S.* 1946); a.r.s. 1952 266 Beacon
BELL, E., cons. *Biophys. N.S.* M. G. H.
Bell, G. O., *W.M.* 1936
Lahey Clinic
Bell, James P., a.r.s. *Or.* 1959
McBride Clinic, 605 N.W. 10th, Oklahoma City, Okla.
Bell, John F., *Or.* 1941
115 Colchester Ave., Burlington, Vt.
Bell, John W., *E.S.* 1946
Vet. Adm. Hosp., Seattle, Wash.
BELL, N. W., a. sociol. and acting c. *Soc. Sc.* (*McL.*)
McLean Hosp., Belmont
BELLINGER, M. J., clin. assoc. *S.*
114 Waltham, Lexington; 270 Commonwealth Ave.
BENDA, C. E., a. psychiat.
111 Pleasant, Arlington
Bendheim, O. L., *W.M.* 1938
5051 N. 34th, Phoenix, Ariz.
BENDIXEN, H. H., assoc. an. M. G. H.
BENEDICT, E. B., endoscopist (*W.S.* 1926) M. G. H.
BENEDICT, PATRICIA H., a. *M.* M. G. H.
Bengle, A. L., Jr., *E.S.* 1947; c.r.p. *An.* 1951 2217 Webster, San Francisco, Calif.
Bennett, C. B., *Or.* 1923
1122 University Ave., Berkeley, Calif.
BENNETT, DORIS R., clin. assoc. *C.M.* (*C.M.* 1951); a.r.p. *C.M.* 1952 340 Pleasant, Malden
Bennett, Lillian F., *C.M.* 1946
2299 19th Ave., San Francisco, Calif.
Bennett, W., *M.* 1948; a.r.p. 1949
340 Pleasant, Malden
BERENBERG, W., cons. *C.M.*
Children's Med. Center
Berg, H. W., r.p. *D.* 1936
Brigham Hall Hosp., Canandaigua, N. Y.

Berg, R. L., *M.* 1944; c.r.p. 1950
Strong Memorial Hosp.,
Rochester, N. Y.

Berkheimer, G. A., r.s. *Or.* 1941
325 N. Front, Harrisburg, Pa.

Berlow, S., *C.M.* 1951; c.r.p. *C.M.* 1954 710 E. Silver Spring Dr.,
Milwaukee, Wis.

BERNSTEIN, N. R., a. psychiat.; a.r.p. *Psychiat.* 1954 M. G. H.

BERTLES, J. F., a. *M.* M. G. H.

BEUSCHER, RUTH B., a. attend. psychiat. (*McL.*)
1419 Beacon, Brookline

Bickley, D. W., *W.M.* 1936
2001 Kimball Ave., Waterloo, Iowa

Bidwell, R. LeR., II, *E.S.* 1943; r.s. *N.S.* 1949
31 Bramhall, Portland, Maine

Bienvenu, L. J., a.r.p. *D.* 1951
1426 Elm, Manchester, N. H.

Bigelow, F. S., *E.M.* 1943; a.r.p. 1947
Boston City Hosp.

Billig, H. E., Jr., *Or.* 1935
Billig Clinic, 139 S. Alvarado,
Los Angeles, Calif.

Binder, S. C., *S.* M. G. H.

BINGER, C. A. L., hon. p. (*E.M.* 1915) M. G. H.

Binion, J. T., *M.* 1953; a.r.p. 1954
3707 Gaston Ave., Dallas, Tex.

BINSTOCK, W. A., a. attend. psychiat. (*McL.*) 51 Brattle, Cambridge

BIRD, K. T., a.p. (*M.* 1944)
M. G. H.

Bisgard, J. D., *W.S.* 1924
44th and Farnum, Omaha, Nebr.

Bishop, R. C., *M.* 1945; a.r.p. 1949
Simpson Memorial Inst.,
Ann Arbor, Mich.

Bixby, H. I., *W.S.* 1924
Sippewissett Rd., Falmouth

BLACK, P. H., r.p. (*M.* 1957)
M. G. H.

Blade, W. R., r.p. *R.* 1958
1510 Seabright Ave.,
Santa Cruz, Calif.

Blades, J. F., *N.S.* 1937
810 W. Franklin, Richmond, Va.

BLAND, E. F., cons. v.p. (*E.M.* 1929)
M. G. H.

BLANE, H. T., a. psychol. M. G. H.

BLANK, I. H., assoc. biochem. *D.*
M. G. H.

Bliss, H. A., *M.* 1945; a.r.p. 1947
840 S. Wood, Chicago, Ill.

BLOCH, K. J., r.p. M. G. H.

Block, G. L., r.s. *U.* 1950
Doctor's Bldg., Cincinnati, Ohio

Blodgett, F. M., *C.M.* 1946; c.r.p. *C.M.* 1950
Yale Univ. Sch. of Med.,
New Haven, Conn.

Blodgett, W. H., *Or.* 1940
603 Kales Bldg., Detroit, Mich.

Bloomberg, W., r.p. *N.* 1931
State Office Bldg., Hartford, Conn.

Bloomer, E., *E.S.* 1917
22340 Michigan Ave.,
Dearborn, Mich.

Bloomfield, D. K., r.p. 1957
Western Reserve Univ. Sch. of Med.,
Cleveland, Ohio

Blunden-Morris, Dulcie E., a.r.p. *An.* 1953 306 Patterson Ct.,
Takoma Pk., Md.

BOCK, A. V., hon. p. (*W.M.* 1917); sr.h.p. *W.M.* 1924
15 Holyoke, Cambridge

Boger, W. P., a.r.p. 1942
Norristown State Hosp.,
Norristown, Pa.

BOHRER, S. P., a.r.p. *R.* (*S.* 1959) M. G. H.

BOIVIN, M. J., a.r.p. *An.* M. G. H.

Boller, C., *E.M.* 1929
267 Alexander,
Rochester, N. Y.

BONNER, FRANCES J., a. psychiat.
160 Lake Ave., Newton Centre

Boone, J. A., *C.M.* 1934
Medical College Hosp.,
55 Doughty, Charleston, S. C.

BOOTH, N. A., a. oral s. 82 Day,
Norwood

Bora, F. W., Jr., sr.r.s. *Or.* 1961
15 Hannum Dr., Ardmore, Pa.

Borden, R. P., *W.S.* 1914
Langley, British Columbia, Canada

Bornstein, A. M., a.r.p. *Path.* 1960
2319 Woodford Pl., Louisville, Ky.

BORNSTEIN, I. D., a.r.p. *D.*
M. G. H.

BORUCHOFF, S. A., a. *Oph.*
192 Bay State Rd.

Bosco, H. F., *Dn.* 1946
300 Main, New Britain, Conn.

Boutwell, H. K., *E.M.* 1905
201 St. Paul, Brookline

Bowden, L., *E.S.* 1941; a.r.s. 1942
177 E. 79th, New York, N. Y.

Bowditch, H., *W.M.* 1911
12 Pine, Peterborough, N. H.

Bower, W. H., r.p. *Psychiat.* (*McL.*) 1949 Colorado State Hosp.,
Pueblo, Colo.

Boyd, H., *C.M.* 1922
935 Main, Manchester, Conn.

Boyden, A. M., *W.S.* 1934
1216 S. W. Yamhill,
Portland, Oreg.
Boyes, J. H., *Path.* 1930
1401 S. Hope, Los Angeles, Calif.
BRACE, L. D., *Trustee* 67 Milk
BRACONIER, H. E., a.s. *Oph.*
1180 Beacon, Brookline
BRADY, F. W., a. *Otolar.*
Mass. E. & E. Inf.
BRAGG, R. L., a. *Psychiat.*
104 Chestnut
BRAILEY, A. G., *Bd. of Cons.* (*E.M.* 1930) 1180 Beacon, Brookline
BRAMAN, CONSTANCE L., a. to gen. dir. *P.H.* (*S.N.* 1932) M. G. H.
Brandstrup, N. E., a.r.p. *C.M.* 1959
8 Juliane Mariesves,
Copenhagen, Denmark
Brannon, L. C., r.s. *N.S.* 1955
U. S. Naval Hosp., Philadelphia, Pa.
BRATT, H. A., a.dn.s.
8 Belgrade Ave., Roslindale
Braudo, J. L., a.r.p. *C.M.* 1953
904 Med. Center,
Jeppe, Johannesburg, South Africa
BRAZELTON, T. B., assoc.p. *C.M.*; a.r.p. *C.M.* 1947 51 Brattle,
Cambridge
BREED, F. B., a.s. *Oph.*
Danversport
Breer, R. D., a.r.p. *C.M.* 1957
17 Haynes, Manchester, Conn.
Brendler, S. J., sr.r.s. *N.S.* 1953
New Eng. Center Hosp.
BRENDZE, R. B., a. *Or.*
218 Commonwealth Ave.
Brenizer, A. G., Jr., *W.S.* 1942; r.s. 1944 1012 Kings Dr.,
Charlotte, N. C.
BRENNER, J. H., r.p. *Psychiat.* (*McL.*) McLean Hosp., Belmont
Brent, R. L., *C.M.* 1955
Jefferson Med. Coll. of Philadelphia,
Philadelphia, Pa.
Breslin, J. E., *C.M.* 1938
74 North, Pittsfield
Breslow, A., a.r.p. *Path.* 1959
Univ. of Washington, Seattle, Wash.
Bresnahan, J. F., past a. dir.
4670 Pine, Omaha, Nebr.
Brewster, H. H., *W.M.* 1940
Univ. of Colorado Med. Center,
Denver, Colo.
Brewster, W. R., Jr., a.r.p. *An.* 1950
Univ. of Florida, Gainesville, Fla.
BRICKMAN, G. S., clin. assoc. *Or.*
332 Pleasant, Malden
Bridge, E. M., *C.M.* 1927
Univ. of Buffalo, Buffalo, N. Y.
Briefer, C., Jr., *M.* 1959; a.r.p. 1960
M. G. H.
Brigham, F. G., *E.M.* 1910
27 Devon Rd., Chestnut Hill
Brindley, C. O., *M.* 1950
National Inst. of Health,
Bethesda, Md.
Brock, B. L., *C.M.* 1923
Southeast Florida Tuberculosis Hosp.,
Lantana, Fla.
BROCKHURST, R. J., a.s. *Oph.* (*M.* 1948) 99 W. Cedar
BRODERICK, T. F., Jr., clin. assoc. *Or.*; sr.r.s. *Or.* 1947
697 Cambridge, Brighton
Brooks, P. T., *E.S.* 1943; a.r.s. 1949
Walla Walla Clinic,
Walla Walla, Wash.
Broome, R. A., Jr., *M.* 1944
3 W. Columbia,
Orlando, Fla.
Brown, C. S., a.r.p. *D.* 1952
8218 Wisconsin Ave.,
Bethesda, Md.
Brown, F. Bert, *Or.* 1937
22 W. Gaston, Savannah, Ga.
BROWN, F. HAROLD, acting an. (*McL.*)
665 Great Plain Ave., Needham
Brown, Lloyd, *N.S.* 1938
316 State, Bangor, Maine
Brown, Lloyd T., *S.S.* 1908
Murray Lane, Harvard
Brown, N. K., *M.* 1957; a.r.p. 1958
King County Hosp., Seattle, Wash.
Brown, R. Gordon, *Path.* 1942
122 S. Michigan Ave., Chicago, Ill.
Brown, Robert H., *E.S.* 1944; j.r.s. 1945 U.S. Naval Hosp.,
Bethesda, Md.
Brown, Robert K., *W.S.*, 1939; r.s. 1942 1624 Gilpin,
Denver, Colo.
BROWN, T., v.s. *Or.*; r.s. *Or.* 1949
M. G. H.
BROWNELL, G. L., assoc. physicist *M.* M. G. H.
Brownsberger, C. N., a.r.p. 1957
Mass. Mental Health Center
Brues, A. M., *E.M.* 1932
Argonne National Lab., Lemont, Ill.
Buchanan, R. N., Jr., r.p. *D.* 1941
706 Church, Nashville, Tenn.
Buchanan, W. R., Jr., *C.M.* 1955; r.p. *C.M.* 1957 56 High, Greenfield
BUCHER, NANCY L. R., assoc. biol. *M.* M. G. H.

BUCKLEY, F. M., a. psychol.
Boston Coll. Grad. Sch., Chestnut Hill

BUCKLEY, M. J., Jr., a.r.s. (*S.* 1959) M. G. H.

Bull, E. C., *Or.* 1917
384 Post, San Francisco, Calif.

Bullard, C. W., *W.S.* 1918
194 High, Newburyport

BULLWINKEL, B., a.r.s. (*S.* 1957) M. G. H.

Bunker, J. P., *E.S.* 1946; a.r.p. *An.* 1950 Stanford Med. Center, Palo Alto, Calif.

Bunker, S. M., past a. dir. Westwood

BURBANK, C. B., clin. assoc. *S.* (*W.S.* 1939); r.s. 1942
94 Pleasant, Arlington; 270 Commonwealth Ave.

BURDEN, C. E., a.r.p. *C.M.* M. G. H.

BURGIN, L. B., p. *C.M.* (*C.M.* 1932); r.p. *C.M.* 1935
151 Kent, Brookline

BURKE, J. F., a.s. (*S.* 1952); r.s. 1957 M. G. H.

BURKE, M. F., Jr., a.r.s. M. G. H.

Burland, G. R., a.r.s. 1953
Olds, Alberta, Canada

Burnett, C. H., c.r.p. 1946
Univ. of North Carolina Sch. of Med., Chapel Hill, N. C.

Burnett, F. L., *S.S.* 1908
520 Commonwealth Ave.

Burns, E. M., r.p. *Psychiat.* 1935
110 E. Main, Madison, Wis.

BURRAGE, WALTER S., *Bd. of Cons.* (*E.M.* 1927) 330 Dartmouth

Burrage, William C., *E.M.* 1941; a.r.p. 1946 57 Deering, Portland, Maine

Burrington, J. D., *S.* M. G. H.

Burrow, J. G., *Dn.* 1948; a.r.s. *Dn.* 1949 507 Main, Worcester

Burwell, C. S., *W.M.* 1919; h.p. *W.M.* 1921 H. M. S.

Bush, R. D., *W.S.* 1943
203 Commonwealth Ave.

BUTLER, A. M., *Bd. of Cons.*
Metropolitan Hosp., Detroit, Mich.

Butler, W. T., *M.* 1959; a.r.p. 1960 M. G. H.

Buttles, R. V., r.p. *Path.* 1950
Heaton Hosp., Montpelier, Vt.

Byers, R. K., *E.M.* 1923
Children's Med. Center

Byrnes, R. L., a.r.p. *Path.* 1954
34745 Camino Capistrano, Capistrano Beach, Calif.

CABLE, R., a. *R.* M. G. H.

CAIN, A. J., a. psychiat. (*McL.*)
McLean Hosp., Belmont

Calhoun, F. P., Jr., *E.M.* 1938
478 Peachtree, N.E., Atlanta, Ga.

CALKINS, E., assoc. p.; c.r.p. 1952 M. G. H.

CALKINS, VIRGINIA B., a. *M.* (*McL.*) McLean Hosp., Belmont

CALLISON, J. R., a.r.s. M. G. H.

CALNAN, A. F., a. *Oph.*
534 Beacon

Cameron, H. S., sr.r.s. *Or.* 1957
450 Central Ave., London, Ontario, Canada

Campbell, C. R., r.p. *Path.* 1955
Mills Memorial Hosp., San Mateo, Calif.

Campbell, J. L., r.p. *An.* 1940
Republic Bldg., Denver, Colo.

Canellos, G. P., *S.* M. G. H.

CANER, G. C., *Bd. of Cons.* (*W.M.* 1924) 63 Marlborough

Canlas, B. D., Jr., r.p. *Path.* 1956
Coll. of Med., Univ. of the Philippines, Manila, P. I.

CANNON, B., v.s. M. G. H.

Cannon, J. A., *E.S.* 1944; a.r.s. *E.S.* 1946
Univ. of California Med. Center, Los Angeles, Calif.

Cantlon, E. L., *E.S.* 1938; r.s. *W.S.* 1941 220 S. Virginia, Reno, Nev.

Cantlon, J. V., *E.S.* 1935; r.s. *E.S.* 1938 220 S. Virginia, Reno, Nev.

CAPLAN, G., psychiat.
93 Fresh Pond Parkway, Cambridge; Harvard Sch. of Public Health

Caplan, L. M., r.p. *Psychiat.* (*McL.*) 1960 M. G. H.

Capland, L., r.p. *D.* 1940
1680 Meridian Ave., Miami Beach, Fla.

Capps, J. A., *E.M.* 1896
21 Woodley Rd., Winnetka, Ill.

Capps, R. B., *C.M.* 1931 and *E.M.* 1933 122 S. Michigan Ave., Chicago, Ill.

Capps, S. C., *Path.* 1946; a.r.p. *Path.* 1949 Butterworth Hosp., Grand Rapids, Mich.

Cardenal, F. A., a.r.s. *Or.* 1959
Columela 4, Madrid, Spain

Carey, J. M., *W.S.* 1946
2221 N.W. 54th, Oklahoma City, Okla.

CAREY, R. W., a.r.p. (*M.* 1960) M. G. H.

CAREY, T. A., a.r.p. *R.* M. G. H.

Carmichael, Miriam W., a.r.p. *N.* 1956
Med. Coll. of Virginia, Richmond, Va.
Carmody, J. T. B., a.r.s. *N.S.* 1936
65 Elm, Worcester
CARNES, H. A., a. oral s.
29 Bay State Rd.
CARNEY, H. J., a. oral s.
403 Commonwealth Ave.
Carroll, R. E., *E.S.* 1943; r.s. *Or.* 1944
Columbia-Presbyterian Med. Center, New York, N. Y.
CARROLL, W. J. E., s. *Otolar.*
5 Chestnut, Arlington
Carson, P. C., r.s. *Or.* 1940
130 Maple, Springfield
CARTER, E. L., a. *S.* (*S.* 1954); a.r.s. 1960 M. G. H.
CARTER, F., a. psychiat.; r.p. *Psychiat.* (*McL.*) 1948
51 Brattle, Cambridge
CARTER, GEORGE B., a.r.p. *R.* M. G. H.
Carter, George H., *M.* 1943; a.r.p. 1947; r.p. *Psychiat.* 1948
Boston Univ.-Mass. Memorial Hosp. Med. Center
CARTER, J. R., Jr., a.r.p. (*M.* 1960) M. G. H.
Carter, R. R., r.p. *N.* 1942
1020 S.W. Taylor, Portland, Oreg.
Cascario, N., Jr., *Dn.* 1944
36 N. 1st, Bangor, Pa.
Case, C. T., *W.S.* 1943
1424 Genesee, Utica, N. Y.
CASS, J. W., Jr., a.p. (*W.M.* 1931)
1101 Beacon, Brookline
CASTEN, V. G., s. *Oph.* (*N.* 1929)
412 Beacon
Castle, W. B., *E.M.* 1923
Boston City Hosp.
CASTLEMAN, B., c. *Path.* (*Path.* 1932); r.p. *Path.* 1935 M. G. H.
CATINELLA. P. J., a.d.
697 Cambridge, Brighton
Catterson, L. F., *C.M.* 1924
107½ High Ave., West, Oskaloosa, Iowa
CAULFIELD, J. B., a. path. M. G. H.
CAVANAUGH, J. J. A., a.p. *C.M.*
12 W. Central, Natick
CAVANAUGH, T., assoc. s. *Oph.*
403 Commonwealth Ave.
CAVE, E. F., cons. v.s. *Or.* (*E.S.* 1926 and *Or.* 1928) M. G. H.
Cecil, L. M., *M.* 1950
710 C, San Rafael, Calif.
CHAFETZ, M. E., assoc. psychiat. M. G. H.
Chaffin, G. L., *E.S.* 1918; h.s. *W.S.* 1921 and *U.* 1921
1136 W. 6th, Los Angeles, Calif.
CHALPIN, G., a. attend. psychiat. (*McL.*) 130 Longwood Ave., Brookline
Chamberlain, J. M., *N.S.* 1934 and *W.S.* 1937 23 E. 79th, New York, N. Y.
Chamberlin, H. R., *C.M.* 1949
Univ. of North Carolina Sch. of Med., Chapel Hill, N. C.
Chamberlin, R. W., Jr., a.r.p. *C.M.* 1959 3-C Sunchon, Fort Bragg, Fayetteville, N. C.
Chapin, L. D., *E.M.* 1908
20 Maple, Springfield
Chaplin, H., Jr., *M.* 1948; r.p. 1950
Washington Univ. Sch. of Med., St. Louis, Mo.
Chapman, C. Ethelyn, *An.* 1937; r.p. *An.* 1938 Vet. Adm. Hosp., Oakland, Calif.
CHAPMAN, E. M., p. (*W.M.* 1931); c.r.p. 1934 M. G. H
CHAPMAN, R. B., a. *Oph.*
743 High, Dedham
Charash, L. I., a.r.p. *C.M.* 1952
146 Mount Joy Ave., Freeport, Long Island, N. Y.
Chase, J. S., *E.S.* 1940
392 Pleasant, Brockton
CHASEN, MIGNON C., a. *Psychiat.;* a. attend. psychiat. (*McL.*)
111 Cedar, Newton Centre
Cheer, Sheo-Nan, *E.M.* 1922
Newton Baker Vet. Adm. Center, Martinsburg, W. Va.
Cheney, M. C., *W.M.* 1918
2560 Bancroft Way, Berkeley, Calif.
Chernoff, A. I., *M.* 1948
Memorial Res. Center, Univ. of Tennessee, Knoxville, Tenn.
CHISHOLM, J. F., Jr., a.s. *Oph.*
330 Dartmouth
Chittick, R. A., r.p. *Psychiat.* (*McL.*) 1938 Vermont State Hosp., Waterbury, Vt.
CHORAS, P. T., r.p. *Psychiat.* (*McL.*); a.r.p. *Psychiat.* 1961
McLean Hosp., Belmont
CHRIST, J., a. attend. psychiat. (*McL.*)
51 Brattle, Cambridge
Christensen, W. R., *W.M.* 1943
Salt Lake County Gen. Hosp., Salt Lake City, Utah
Christenson, W. N., *M.* 1949; a.r.p. 1950
New York Hosp., New York, N. Y.

CHRISTMAN, G., a. oral s. (*Dn.* 1951); a.r.s. *Dn.* 1952
403 Commonwealth Ave.

CHURCHILL, E. D., c. *S.* (*W.S.* 1922); h.s. 1923 M. G. H.

CHUTE, R., *Bd. of Cons.* (*E.S.* 1929)
Vet. Adm. Hosp.,
150 S. Huntington Ave.,
Jamaica Plain

Ciano, J. F., *Dn.* 1954
1159 Hancock, Quincy

Claiborne, T. S., *W.M.* 1934
384 Peachtree, N.E., Atlanta, Ga.

Claman, H. N., r.p. 1958
420 Rogers Ave., Glen Burnie, Md.

Clapp, S., *N.S.* 1939
3921 Ingomar, N.W.,
Washington, D. C.

CLARK, DEAN A., gen. dir. M.G.H.

Clark, DeWitt S., *E.S.* 1915
2 Oliver, Salem

CLARK, J. G., Jr., a. psychiat. (*McL.*); r.p. *Psychiat.* 1955; r.p. *Psychiat.* (*McL.*) 1958 McLean Hosp.,
Belmont

Clark, L. D., *M.* 1948; r.p. *Psychiat.* 1950
Salt Lake County Gen. Hosp.,
Salt Lake City, Utah

Clark, M. M., *Or.* 1928
38 N. Goodman, Rochester, N. Y.

Clark, N. H., *W.M.* 1905
address unknown

CLARK, R. J., *Bd. of Cons.* (*W.M.* 1933) 15 Dix, Winchester

Clark, S. L., Jr., *M.* 1950
Washington Univ. Sch. of Med.,
St. Louis, Mo.

Clarke, B. G., *E.M.* 1943
New Eng. Center Hosp.

CLAY, C. L., a.dir. M. G. H.

Clement, J. D., Jr., *W.S.* 1944
77 Essex, Bangor, Maine

Clement, S. P., Jr., *M.* 1956
1266 4th, Sarasota, Fla.

Clifford, M. H., a.r.p. 1935
Union Central Life Ins. Co.,
Cincinnati, Ohio

CLIFFORD, S. H., cons. *C.M.* (*E.M.* 1927) Boston Lying-in Hosp.

CLINE, H. S., a. *Psychiat.*; a. attend. psychiat. (*McL.*); a.r.p. *Psychiat.* 1956 185 Dean Rd., Brookline

Cline, J. W., Jr., *E.S.* 1927
490 Post, San Francisco, Calif.

CLOUGH, J. M., a.s. *Oph.*
266 Beacon

CLOWER, VIRGINIA L., a. attend. psychiat. (*McL.*)
81 Irving, Cambridge

Clowes, G. H. A., Jr., a.r.s. 1948
Cleveland Metropolitan Gen. Hosp.,
Cleveland, Ohio

Cobb, C. A., Jr., r.p. *N.* 1948
Med. Arts Bldg., Nashville, Tenn.

COBB, S., hon. p.; cons. psychiat. (*McL.*) M. G. H.

Cobbs, B. W., Jr., *M.* 1953; r.p. 1955
Emory Univ. Clinic,
Emory University, Ga.

Cochran, W. D., a.r.p. *C.M.* 1954
Boston Lying-in Hosp.

Coe, R. C., *S.* 1951; r.s. 1955
1115 Columbia, Seattle, Wash.

COGAN, D. G., s. *Oph.* and dir. Howe Lab. Mass. E. & E. Inf.

Coggeshall, H. C., *W.M.* 1935
3710 Swiss Ave., Dallas, Tex.

Coggins, C. H., *M.* 1959
military service

COGSWELL, THELMA B., exec. a. *M.G.H. Clin.* (*S.N.* 1926) M. G. H.

COHEN, A., clin. assoc. *C.M.*
1093 Beacon, Brookline

Cohen, I. J., *C.M.* 1931
Vet. Adm. Central Office,
Washington, D. C.

Cohen, J., a.r.s. *Or.* 1950
Children's Med. Center

COHEN, MANDEL E., n.; a.r.p. *Psychiat.* 1936 M. G. H.

COHEN, MORRIS, cons. *Or.*
M.I.T., Cambridge

COHEN, R. B., assoc. path.; r.p. *Path.* 1953 M. G. H.

Cohn, R. B., *Path.* 1933 and *E.S.* 1936; r.s. *N.S.* 1934 and *W.S.* 1937
Stanford Med. Center,
Palo Alto, Calif.

Cohn, Z. A., *M.* 1954; a.r.p. 1955
Rockefeller Inst. Med. Res.,
66th and York Ave.,
New York, N. Y.

COLBY, F. H., *Bd. of Cons.* (*W.S.* 1920) 262 Beacon

Cole, C. H., *Path.* 1935
111 W. Main, Waterbury, Conn.

COLE, E. M., n.; r.p. *N.* 1932; r.p. *Psychiat.* (*McL.*) 1934 M. G. H.

Cole, M., a.r.p. *N.* 1960 M. G. H.

COLEMAN, R. M., r.p. *Psychiat.* (*McL.*) McLean Hosp., Belmont

Coles, M. R., a.r.p. *Psychiat.* 1956; r.p. *Psychiat.* (*McL.*) 1957 M. G. H.

Coley, Mary S., *C.M.* 1955
63 Dauntless Lane, Hartford, Conn.
Coller, F. A., *W.S.* 1914; h.s. *W.S.* 1915 St. Joseph's Mercy Hosp., Ann Arbor, Mich.
COLLINS, D. L., Jr., a.r.s. (*S.* 1955) M. G. H.
Collins, G. H., a.r.p. *Path.* 1959 M. G. H.
Collins, H. Douglas, *M.* 1953; r.p. 1955 8 N. Main, Caribou, Maine
Collins, Harvey S., *M.* 1944; a.r.p. 1945
Memorial Hosp., 444 E. 68th, New York, N. Y.
Collins, R., *E.S.* 1933
5111 8th Rd., South, Arlington, Va.
Colokathis, P., a.r.s. *Or.* 1954
146 Tarrytown Rd., Manchester, N. H.
Colpitts, G. E., r.p. *Path.* 1952
St. Luke's Hosp., Duluth, Minn.
Colquhoun, J. B., *Or.* 1927
85 Spring, Melbourne, Australia
Colwell, H. S., *E.M.* 1916
158 Whitney Ave., New Haven, Conn.
COMB, D. G., a. biochem. *M.* M. G. H.
Comly, H. H., *C.M.* 1944
951 E. Lafayette, Detroit, Mich.
Compton, D. W., r.p. *An.* 1946
905 E. Columbia, Seattle, Wash.
Conley, J. E., *E.S.* 1941; a.r.s. 1942
425 E. Wisconsin Ave., Milwaukee, Wis.
CONNELLY, J. P., c.r.p. *C.M.* (*C.M.* 1957) M. G. H.
Conrad, Elizabeth, a.r.p. *C.M.* 1945
2240 Cloverdale Ave., Winston- Salem, N. C.
CONSTABLE, J. D., a. *S.* (*S.* 1953); r.s. 1959 M. G. H.
Cook, C. D., a.r.p. *C.M.* 1949
Children's Med. Center
Coolidge, J. C., *C.M.* 1945
141 Coolidge Hill, Cambridge
Coolidge, T. B., *W.M.* 1929
947 E. 58th, Chicago, Ill.
Coombs, F. S., a.r.p. 1937
Home Savings and Loan Bldg., Youngstown, Ohio
Coons, A. H., *E.M.* 1939 H. M. S.
COOPERMAN, S., a.r.p. *Path.* M. G. H.
COPE, O., v.s. (*W.S.* 1930); r.s. *W.S.* 1932 M. G. H.
Cosby, R. S., *E.M.* 1940
111 Congress, Pasadena, Calif.
COSER, ROSE L., assoc. sociol. (*McL.*) McLean Hosp., Belmont
COSGROVE, W. L., a.dn.s.
12 Waltham, Lexington
Cotter, W. C., r.s. *N.S.* 1957
274 Benefit, Providence, R. I.
Cotzias, G. C., *M.* 1944; r.p. *N.* 1945; a.r.p. 1946
Med. Dept., Brookhaven National Lab., Associated Universities, Inc., Upton, Long Island, N. Y.
COVITZ, E. E., a.s. *Oph.*
475 Commonwealth Ave.
Cozen, L., *Or.* 1938
6221 Wilshire Blvd., Los Angeles, Calif.
CRABTREE, H. H., hon.s. (*E.S.* 1913); h.s. *W.S.* 1914 and *U.* 1919
1101 Beacon, Brookline
Craddock, C. G., Jr., a.r.p. *Psychiat.* 1950 Univ. of California Med. Center, Los Angeles, Calif.
Craige, E., *M.* 1943; r.p. 1948
North Carolina Memorial Hosp., Chapel Hill, N. C.
Crandell, W. B., a.r.s. 1941
Vet. Adm. Hosp., White River Junction, Vt.
Crawford, E. S., *E.S.* 1947; r.s. 1954
Baylor Univ. Coll. of Med., Houston, Tex.
Crawford, H. B., *Or.* 1931; r.s. *Or.* 1932 15 Prince, Rochester, N. Y.
CRAWFORD, J. D., p. *C.M.* (*C.M.* 1945); c.r.p. *C.M.* 1949 M. G. H.
CROCKETT, D. C., assoc. dir. *Resources and Development* M. G.H.
Croll, Diane, r.p. *Path.* 1948
Vet. Adm. Hosp., Oakland, Calif.
Crone, N. L., *W.M.* 1933; r.p. 1937
Harvard Grad. Sch. of Business Adm.
CRONIN, T. P., a.s. *Oph.*
94 Pleasant, Arlington
CRONKHITE, L. W., Jr., a. *M.* (*M.* 1950); r.p. 1953 M. G. H.
Crystal, D. K., *W.S.* 1942; r.s. *W.S.* 1946 1110 Harvard Ave., Seattle, Wash.
CU, W. B., r.p. *Psychiat.* (*McL.*); a.r.p. *Psychiat.* 1961
McLean Hosp., Belmont
Cudney, E. B., *Or.* 1926
Pontiac Motor Co., Pontiac, Mich.
CULVER, P. J., assoc. p. (*E.M.* 1942) M. G. H.

Cummer, F. H., Jr., sr. r.p. *Psychiat.* (*McL.*) 1950
Boston City Hosp.

Cunningham, T. D., *W.M.* 1918 and *C.M.* 1920
Republic Bldg., Denver, Colo.

CURRENS, J. H., a. *M.* M. G. H.

Currie, R. A., *S.* 1950; a.r.s. 1954
Mayro Bldg., Utica, N. Y.

CURTIN, R.R., a. *S.* (*S.* 1953); a.r.s. 1957 226 Marlborough

CURWEN, W. L., a. *D.* M. G. H.

Cutts, F. B., *W.M.* 1934
315 Olney, Providence, R. I.

DAGGETT, W. M., Jr., a.r.s. (*S.* 1959) M. G. H.

Dahl, L. K., c.r.p. 1947
Med. Dept., Brookhaven National Lab., Associated Universities, Inc., Upton, Long Island, N. Y.

DALAND, E. M., *Bd. of Cons.* (*W.S.* 1918) 483 Beacon

D'Alessandro, G. L., a.r.p. *An.* 1950
275 Forest Ave., Glen Ridge, N. J.

DALRYMPLE, W., a. *M.* (*M.* 1947)
Harvard Grad. Sch. of Business Adm.

DALTON, J. C., a. *M.*
330 Dartmouth

DALY, HELEN M., exec. a. (*S.N.* 1922) M. G. H.

DAMIANI, C. R., a. *D.*; r.p. *D.* 1946
16 Norwich, Worcester

Damon, A., *M.* 1952
Harvard Sch. of Public Health

DANIELS, E. M., assoc. psychiat. (*McL.*) 26 Lyman Rd., Chestnut Hill

DANIELS, HADASSAH S., a. attend. psychiat. (*McL.*) 26 Lyman Rd., Chestnut Hill

Dann, D. S., h.p. *R.* 1922
701 E. 63rd, Kansas City, Mo.

DARLING, R. C., a. *S.* (*C.M.* 1954); a.r.s. 1958 1180 Beacon, Brookline

d'AUTREMONT, C. C., a. attend. psychiat. (*McL.*); r.p. *N.* 1948
Children's Med. Center

Davanloo, H., a.r.p. *Psychiat.* 1959
Metropolitan State Hosp., Waltham

DAVID, J. R., r.p. (*M.* 1956) M. G. H.

David, S. D., *Or.* 1922
1215 Walker Ave., Houston, Tex.

DAVIDOFF, F. F., a.r.p. (*M.* 1960) M. G. H.

DAVIDSON, G. E., a. *Psychiat.* M. G. H.

DAVIES, J. A. V., *Bd. of Cons.*
319 Longwood Ave.

Davis, B. M., a.r.s. *W.S.* 1942
USPHS, Washington, D. C.

Davis, James M., *S.* 1948; a.r.s. 1952
1661 Riverside Ave., Jacksonville, Fla.

Davis, John M., *C.M.* M. G. H.

DAWES, D. C., a. psychiat.; r.p. *Psychiat.* (*McL.*) 1939
51 Brattle, Cambridge

Dawson, C. W., *Or.* 1936
1275 Olentangy River Rd., Columbus, Ohio

DeBLOIS, ELIZABETH, a.s. *Otolar.*
247 Commonwealth Ave.

DeBusk, F. L., *C.M.* 1947; a.r.p. *C.M.* 1950 1750 N. Palafox, Pensacola, Fla.

DECKER, B. L., assoc.p. (*C.M.* 1931 and *W.M.* 1932) 266 Beacon

DEGEN, J. W., a. dir. M. G. H.

DeGROOT, L. J., a. *M.*; r.p. 1957 M. G. H.

DeLORME, T. L., a. *Or.*; sr.r.s. *Or.* 1955 M. G. H.

d'Elseaux, F. C., *W.M.* 1929
37 Marlborough

de MARNEFFE, F. L. A., assoc. psychiat. (*McL.*); a.r.p. *Psychiat.* 1952 84 Garden, Cambridge

DEMING, RUTH, exec. a. *M. G. H. Clin.* (*S.N.* 1925) M. G. H.

de Mola, L. L., a.r.p. *Path.* 1960 M. G. H.

DEMPSEY, P. A., dn.s.
56 Melville Ave., Dorchester

Dennie, C. C., *D.* 1914
Professional Bldg., Kansas City, Mo.

Denton, Jane E., *M.* 1946; a.r.p. 1946
Main, Hopkinton

DePRIEST, O. S., III, a.r.s. (*S.* 1955) M. G. H.

Derby, J. P., *Or.* 1925
20 Maple, Springfield

Derow, H. A., *Path.* 1928
1136 Beacon, Brookline

Derow, S., *Path.* 1931
925 Centre, Newton Centre

Derrick, C. C., *Path.* 1940 and *E.M.* 1942; r.p. *Path.* 1941
25 Maple, Springfield

DeSanctis, R. W., *M.* 1956; r.p. 1960 M. G. H.

Detwiler, Robert C., a.r.s. *Or.* 1956
68 Charlton Ave., West, Hamilton, Ontario, Canada

Detwiler, Robert H., *C.M.* 1940
13th and N. Hudson, Arlington, Va.
DEUTSCH, HELENE, *Bd. of Cons.*
44 Larchwood Dr., Cambridge
Devan, T. A., past a. dir.
325 19th Ave., N.E.,
St. Petersburg, Fla.
Dewey, E. B., *E.S.* 1921
Thatcher Med. Center,
960 E. Green, Pasadena, Calif.
DeWILDE, H., clin. assoc. *Dn.*
403 Commonwealth Ave.
DEXTER, C. J., clin. assoc. *S.*
51 Brattle, Cambridge
Deykin, D., *M.* 1958
National Inst. of Health,
Bethesda, Md.
DIAMOND, L. K., cons. *C.M.*
Children's Med. Center
Dickersin, G. R., a.r.p. *Path.* 1957
Brockton Hosp., Brockton
Dickson, Carol C., *M.* 1948; *C.M.* 1949
2 5th Ave.,
New York, N. Y.
DICKSON, W. A., assoc. p. *C.M.* (*C.M.* 1946); a.r.p. *C.M.* 1947
266 Beacon
Diehl, Sylvia Davies, a.r.p. *C.M.* 1958
33 Maple Ave., Madison, N. J.
DIENES, L., cons. b. M. G. H.
Dillon, H. T., Jr., *Path.* 1958; a.r.p. *Path.* 1959 H. M. S.
Dillon, V. M., *Or.* 1932
2166 Hayes, San Francisco, Calif.
Dimon, J. H., III, sr.r.s. *Or.* 1960
1938 Peachtree Rd., N.W.,
Atlanta, Ga.
Diner, Wilma Canada, a.r.p. *Path.* 1951; r.p. *R.* 1954
Univ. of Arkansas Med. Center,
Little Rock, Ark.
DINSMORE, P. R., r.p. *Psychiat.* (*McL.*) McLean Hosp., Belmont
DINSMORE, R. E., a.r.p. *R.* M. G. H.
Ditmore, H. B., Jr., *S.* 1954; a.r.s. 1958 c/o H. B. Ditmore, Sr.,
Marshall, N. C.
Dodd, R. B., a.r.p. *An.* 1950
Barnes Hosp., St. Louis, Mo.
DODGE, P. R., assoc.n. and assoc.p. *C.M.* M. G. H.
Dodge, R. S., a.r.s. *Or.* 1946
4767 Kahala Ave.,
Honolulu, Hawaii
Dodson, L. C., r.s. *P.H.* 1932
330 Allen, Owensboro, Ky.
Dohan, F. C., a.r.p. 1935
Hosp. of Univ. of Pennsylvania,
Philadelphia, Pa.
Doisy, E. A., Jr., *M.* 1945
St. Louis Univ. Sch. of Med.,
St. Louis, Mo.
Dole, K. L., *E.S.* 1917
Cedar Pt., Mackinac Island, Mich.
Dole, V. P., Jr., *E.M.* 1941
Rockefeller Inst. Med. Res.,
66th & York Ave., New York, N. Y.
Donaghy, R. M. P., *N.S.* 1939; r.s. *N.S.* 1942 Mary Fletcher Hosp.,
Burlington, Vt.
Donald, J. H., *M.* 1947; a.r.p. 1948
Burns Bldg., Colorado Springs, Colo.
DONALDSON, D. D., a. *Oph.*
Mass. E. & E. Inf.
DONALDSON, G. A., v.s. (*E.S.* 1938); r.s. 1942 M. G. H.
DONNELLY, E. W., r.p. *R.* M. G. H.
Donner, R., a.r.p. *Path.* 1957
Pr. Hendriklaan 27,
Amsterdam, Holland
Donovan, J. F., sr. r.s. *Or.* 1957
85 Jefferson, Hartford, Conn.
DOWLING, J. L., Jr., a. *Oph.*
207 Waterman, Providence, R. I.
Drachman, D. A., r.p. *N.* 1960
National Inst. of Health,
Bethesda, Md.
Drake, E. H., a.r.s. 1945
18 Bramhall, Portland, Maine
Drake, T. G., a.r.p. 1937
114 N. Taylor Ave., St. Louis, Mo.
Dresel, R. L., *Or.* 1921
450 Sutter, San Francisco, Calif.
Drewry, G. R., *M.* 1953
1 Davis Blvd., Tampa, Fla.
DREYFUS, P. M., a.n.; a.n. *Res. Dept.* (*McL.*); r.p. *N.* 1955
M. G. H.
DREYFUSS, J. R., assoc. r. M. G. H.
DROOKER, J. C., s. *Otolar.*
285 Commonwealth Ave.
DUDA, G. A., r.p. *Psychiat.* (*McL.*)
McLean Hosp., Belmont
DUDLEY, H. R., Jr., a. path. (*M.* 1953); a.r.p. *Path.* 1954 M. G. H.
Duffy, R. J., r.p. *Psychiat.* (*McL.*) 1935
Methodist Bldg.,
Wheeling, W. Va.
DUGGAN, J. A., clin. assoc. *C.M.*
713 Pleasant, Worcester
Dulin, J. W., *Path.* 1933
Dey Bldg., Iowa City, Iowa
Duncombe, A. L., *E.M.* 1934
336 Pleasant, Brockton
Dunn, E., a.r.s. 1956
1200 E. Genesee, Syracuse, N. Y.

Dunn, Fa-Chi, a.r.p. *D.* 1954
Kaiser Foundation Hosp.,
Oakland, Calif.
Dunn, W. L., a.r.p. *Path.* 1960
University College Hosp. Med. Sch.,
Gower, London N.W. 1, England
DUNPHY, E. B., c. *Oph.*
Mass. E. & E. Inf.
Durno, E. R., *E.S.* 1929
House of Representatives Office Bldg.,
Washington, D. C.
D'Urso, J. J., r.p. *D.* 1944
301 Essex, Lawrence
Duxbury, J. H., r.s. *U.* 1960
625 Fort, Victoria,
British Columbia, Canada
Dwight, R. W., *W.S.* 1931
Vet. Adm. Hosp.,
150 S. Huntington Ave.,
Jamaica Plain
Dwyer, J. H., a.r.p. *C.M.* 1956; r.p. *Psychiat.* (*McL.*) 1958
Western Psychiatric Inst. and Clinic,
Pittsburgh, Pa.
DYER, E. C., clin. assoc. *C.M.*
1180 Beacon, Brookline
EASTON, M. T., s. *Oph.*
70 Carlton, Brookline
EATON, R. G., a.r.s. *Or.* M. G. H.
Edelman, G. M., *M.* 1955
Rockefeller Inst. Med. Res.,
66th and York Ave.,
New York, N. Y.
EDELSTEIN, L. M., a.r.p. *D.*
M. G. H.
Edgelow, A. F. G., *W.S.* 1921
130 Maple, Springfield
Edmonds, H. W., r.p. *Path.* 1942
110 Irving, N.W., Washington, D.C.
EDMUNDS, L. H., Jr., a.r.s. (*S.* 1957) M. G. H.
Edsall, G., *E.M.* 1936
Inst. of Labs., Mass. Dept. of
Public Health,
375 South, Jamaica Plain
Edwards, W. S., *W.S.* 1946; a.r.s. 1952 Med. Coll. of Alabama,
Birmingham, Ala.
Egel, N., r.s. *Or.* 1938
797 Elmwood Ave., Rochester, N. Y.
Egloff, F. R. L., r.p. *Psychiat.* 1951
31 Main, Farmington, Conn.
Ehrenkranz, N. J., *M.* 1950; r.p. 1954
Univ. of Miami Sch. of Med.,
Miami, Fla.
Eiseman, B., *E.S.* 1943
Univ. of Kentucky Med. Sch.,
Lexington, Ky.
ELDRED, S. H., assoc. psychiat. (*McL.*) McLean Hosp., Belmont
Eldredge, J. H., a.r.s. *Or.* 1960
Children's Med. Center
ELDREDGE, L. L., Jr., assoc. p. *C.M.;* a.r.p. *C.M.* 1951 215 Main,
Hingham
Eliel, L. P., *E.M.* 1942
Oklahoma Med. Res. Inst.,
Oklahoma City, Okla.
ELLENBERG, J., r.p. *Psychiat.* (*McL.*)
McLean Hosp., Belmont
Ellery, S. W., *E.S.* 1943
1090 Atlantic Ave.,
Long Beach, Calif.
ELLETT, W. H., a. physicist *M.*
M. G. H.
Elliot, H. L., r.p. *An.* 1942
Chestnut Hill, Harlan, Ky.
Elliott, J. A., Jr., *M.* 1945
1012 Kings Dr., Charlotte, N. C.
ELLIS, D. S., p. (*E.M.* 1941)
M. G. H.
Ellis, Effie O., *C.M.* 1951; a.r.p. *C.M.* 1952
1514 Division, Baltimore, Md.
Ellis, L. B., *E.M.* 1928
319 Longwood Ave.
Elrick, H. E., *M.* 1944; a.r.p. 1947
Vet. Adm. Hosp., Denver, Colo.
EMERSON, G. F., clin. assoc. *S.* (*E.S.* 1939); r.s. 1942
764 Main, Hingham
Emerson, K., *E.S.* 1902
Peter Bent Brigham Hosp.
Emmons, A. B., II, *W.S.* 1905
Bay View Estates, Brewster Dr.,
Largo, Fla.
ENDEE, C. H., a.dn.s.
6 Marlborough
ENGEL, L. L., assoc. biochem. *M.*
M. G. H.
Engelbach, A. G., past a. dir.
18 Browne, Brookline
ENGELMAN, K., a.r.p. (*M.* 1960)
M. G. H.
ENGLAND, A. C., Jr., a. *N.*
M. G. H.
English, H. S., a.r.p. *N.P.* 1948
1611 Genesee, Utica, N. Y.
Enterline, J. D., *E.S.* 1943; j.r.s. 1944
Kings View Hosp., Reedley, Calif.
Eppright, R. H., a.r.s. *Or.* 1955
1803 Calumet, Houston, Tex.
ERVIN, F. R., assoc. psychiat.
M. G. H.
ESSEMBER, L. J., assoc. p. *C.M.;* a.r.p. *C.M.* 1953 25 Conant, Danvers

Esslinger, J. O., a.r.s. *Or.* 1952
622 N. Woodward Ave.,
Birmingham, Mich.

EUSTIS, R. S., *Bd. of Cons.* (*W.M.* 1912 and *C.M.* 1913)
Hancock, N. H.

Evans, Richard R., *Path.* 1944
Cleveland Clinic, 2020 E. 93rd,
Cleveland, Ohio

EVANS, ROBLEY D., cons. *Physics*
M. I. T., Cambridge

Evans, S. S., *E.S.* 1945; a.r.s. 1950
619 S. Broadway, McAllen, Tex.

Everett, H. C., III, a.r.p. *Psychiat.* 1958
Johns Hopkins Hosp.,
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Ewell, J. W., *W.M.* 1937
Dept. of Hygiene and Health,
Yale Univ., New Haven, Conn.

Ewer, E. G., *Or.* 1936
419 30th, Oakland, Calif.

Exley, M. M., r.s. *U.* 1938
Med. Arts Bldg., Norfolk, Va.

Eyler, W. R., *C.M.* 1943; r.p. *R.* 1949
Henry Ford Hosp., Detroit, Mich.

Fairlie, C. W., Jr., *W.M.* 1942; r.p. 1947
85 Jefferson, Hartford, Conn.

Fallon, J. T., *C.M.* 1925
86 Whitmarsh, Providence, R. I.

Fang, H. C.-H., a.r.p. *Psychiat.* 1952
Univ. of Alabama Med. Center,
Birmingham, Ala.

FARKAS, R. W., r.p. *Psychiat.* (*McL.*)
McLean Hosp., Belmont

Farmer, D. A., *W.S.* 1943
203 Commonwealth Ave.

FARNSWORTH, D. L., p. (*W.M.* 1935) 15 Holyoke, Cambridge

Farrell, M. E., *C.M.* 1934
318 Spring Ave.,
Clarksburg, W. Va.

FARRISEY, CLAIRE G., admin. a. (*R.N.*) M. G. H.

FARRISEY, RUTH M., exec. o. *M. G. H. Clin.* (*S.N.* 1938)
M. G. H.

Faulkner, J. M., *E.M.* 1925
Med. Dept., M.I.T., Cambridge

Faust, L. W., r.s. *U.* 1924
Med. Arts Bldg.,
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Fawcett, D. W., *W.S.* 1943
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FAXON, H. H., *Bd. of Cons.* (*E.S.* 1927); r.s. *E.S.* 1928
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FAY, J. H., a.p. (*E.M.* 1929)
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FEARER, N. H., a. *C.M.* (*C.M.* 1957); a.r.p. *C.M.* 1958 25 Conant, Danvers

FEDERMAN, D. D., a. *M.* (*M.* 1954); a.r.p. 1955 M. G. H.

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Fennell, R. H., Jr., sr.r.p. *Path.* 1949
Presbyterian Hosp., Pittsburgh, Pa.

Ferguson, A. B., Jr., a.r.s. *Or.* 1950
Children's Hosp., Pittsburgh, Pa.

FERGUSON, E. L., clin. assoc. *S.* (*S.* 1954); a.r.s. 1959 159 Essex, Holyoke

Ferguson, I. A., Jr., *S.* 1953; a.r.s. 1959
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Ferguson, J. J., Jr., *M.* 1951; r.p. 1955
516 Westminster Ave.,
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Ferguson, L. A., *M.* M. G. H.

FERN, D. J., r.p. *Psychiat.* (*McL.*); a.r.p. *Psychiat.* 1961
McLean Hosp., Belmont

FERNANDEZ-MORAN, H. A. V., assoc. biophysicist *N.S.* M. G. H.

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1 Salem, Wakefield

Field, H., Jr., *C.M.* 1921 and *E.M.* 1922; r.p. *E.M.* 1925
Vet. Adm. Center,
Martinsburg, W. Va.

Field, J. B., *M.* 1952; r.p. 1954
National Inst. of Health,
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FIELD, R. A., a.p. (*M.* 1950); c.r.p. 1955 M. G. H.

FIENBERG, R., clin. assoc. *Path.*
Beverly Hosp., Beverly

Finck, A. J., a.r.p. *An.* 1949
Beth Israel Hosp.

Findlay, F. M., *E.S.* 1924
San Manuel Hosp.,
San Manuel, Ariz.

Fine, J., a.r.s. 1927
330 Brookline Ave.
FINESINGER, A. L., a. *Psychiat.*
296 Beacon
Finkenstaedt, J. T., *M.* 1947; r.p. 1949
Cornell Univ. Med. Coll.,
New York, N. Y.
Finlayson, N. B., a.r.p. *Path.* 1960
M. G. H.
Finley, K. H., *W.M.* 1934; r.p. *N.* 1936
450 Sutter,
San Francisco, Calif.
Firminger, H. I., sr.r.p. *Path.* 1947
Univ. of Maryland Sch. of Med. and Coll. of Physicians and Surgeons,
Baltimore, Md.
FISCHBERG, B. W., r.p. *Psychiat.* (*McL.*)
McLean Hosp., Belmont
Fish, J. E., *E.S.* 1930; r.s. *E.S.* 1932
Lahey Clinic
FISHER, C. M., n. and assoc. n.p.
M. G. H.
Fisher, Mary S., *M.* 1949
Vet. Adm. Hosp., Philadelphia, Pa.
FISHMAN, N., clin. assoc. *Dn.*
361 Nichols, Norwood
Fishman, R. A., r.p. *N.* 1950
Columbia-Presbyterian Med. Center,
New York, N. Y.
Fitch, R. R., *W.M.* 1904
Northeast Harbor, Maine
Fite, E. H., *E.S.* 1926
443 N. 16th, Muskogee, Okla.
FITZHUGH, G., p. 330 Dartmouth
FITZPATRICK, T. B., c. *D.* M. G. H.
Flagg, J. A., a.r.p. *An.* 1955
Bridgeport Hosp.,
Bridgeport, Conn.
Flanagan, N. B., a.r.p. *Psychiat.* 1940
203 Grove, Wellesley
FLAX, M. H., a. *Path.* M. G. H.
FLEMING, T. C., a.r.p. *N.* M. G. H.
Flood, W. E., a.r.p. *D.* 1942
Med. Arts Bldg.,
Fort Worth, Tex.
Flook, S. E., *Or.* 1940
137 N. Main, Dayton, Ohio
Florence, D. W., r.s. *Or.* 1960
military service
Floyd, C., *W.M.* 1904
55 Appleton, Cambridge
FLYNN, J. G., clin. assoc. *C.M.* (*C.M.* 1943); a.r.p. *C.M.* 1947
377 Essex, Salem
FLYNN, R. E., a. *N.* 50 Warren,
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FOLCH-PI, J., dir. *Sc. Res.* (*McL.*)
McLean Hosp., Belmont
Foldes, F. F., r.p. *An.* 1943
Mercy Hosp., Pittsburgh, Pa.
FOLEY, F. D., a.r.p. *Path.* M. G. H.
Foley, T. M., *Or.* 1915
140 Quince, San Diego, Calif.
FOLKMAN, M. J., a.r.s. (*S.* 1958)
M. G. H.
FOLLENSBY, EDNA M., a. immunol. *M.*
M. G. H.
Folsom, H. F., *W.M.* 1931
198 Union Ave., Framingham
FORBES, A., cons. *Neurophysiol.*
Biological Lab.,
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FORBES, ANNE P., a.p. M. G. H.
Forbes, Vassilike A.-C., *C.M.* 1956
Univ. of Buffalo Sch. of Med.,
Buffalo, N. Y.
Ford, A. B., *M.* 1950; a.r.p. 1952
Benjamin Rose Hosp.,
Cleveland, Ohio
FORD, R., cons. *Forensic Path.*
784 Massachusetts Ave.
Fornshell, R. P., sr.r.s. *Or.* 1958
85 Osborne, Danbury, Conn.
FORRANT, HELEN, exec. a. (*S.N.* 1930)
M. G. H.
Fort, F. L., *Or.* 1922
1022 Park, Jacksonville, Fla.
Fortune, C. W., *Or.* 1930
626 James Pl., Erie, Pa.
FOSS, M. W., clin. assoc. *Dn.*
232 Main, Brockton
Foster, F. D., past a. dir.
52 Vanderbilt Ave.,
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FOSTER, G. S., a.p. (*M.* 1952); a.r.p. 1953
M. G. H.
Fowler, C. B., *Or.* 1929
526 Soquel Ave., Santa Cruz, Calif.
Fowler, D. M., *E.S.* 1946
Cove, Duxbury
Frame, B., *M.* 1949; r.p. 1955
Henry Ford Hosp., Detroit, Mich.
Francis, L., a.r.p. *An.* 1950
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FRANK, T., a. *C.M.;* a.r.p. *C.M.* 1953
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FRANKLIN, W., a.p.
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Franseen, C. C., *W.S.* 1932
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Franseen, E. F., j.r.s. *Or.* 1947
146 Chestnut, Springfield
Franz, E. M., a.r.s. *Or.* 1948
1750 Race, Denver, Colo.

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1180 Beacon, Brookline
FRAZIER, H. S., a. *M.* (*M.* 1954); a.r.p. 1955 M. G. H.
Freedberg, I. M., a.r.p. *D.* 1960 M. G. H.
Freedman, H. J., *C.M.* 1928
454 Brookline Ave.
Freeman, D. W., *C.M.* 1935
112 N. Burnett Ave., Denison, Tex.
Freeman, N. E., r.s. *W.S.* 1935
490 Post, San Francisco, Calif.
Freeman, W. T., *C.M.* 1922
Biltmore, N. C.
FREESE, C. G., Jr., a. *Oph.*
328 Washington, Wellesley Hills
Freiberg, J. A., *Or.* 1926
2939 Vernon Pl., Cincinnati, Ohio
FREINKEL, RUTH K., a. *D.*; r.p. *D.* 1957 M. G. H.
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12 Hereford
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Memorial Hosp., 119 Belmont, Worcester
FRIED, M. A., assoc. psychol.
50 Beacon
FRIEDLICH, A. L., assoc.p. (*M.* 1943); r.p. 1948 M. G. H.
Friedman, C. F., *C.M.* 1923
770 Ocean Ave., Brooklyn, N. Y.
Friedman, L. J., *M.* 1956
11 Huntwood Pl., Mount Vernon, N. Y.
Friedman, S. B., *C.M.* 1958; c.r.p. *C.M.* 1960 military service
Fritz, W. F., *M.* 1950; a.r.p. 1951
2 W. University Parkway, Baltimore, Md.
FROMER, J. L., clin. assoc. *D.*
Lahey Clinic
Frost, H. M., *W.S.* 1915
Friendship, Maine
FROST, R. G., a.r.p. *An.* M. G. H.
Fu, Wen Shou, *C.M.* 1926
address unknown
Fuchs, P., *W.S.* 1942
3a Ave. 7-34, Guatemala City, Guatemala
Fuldner, R. V., *Or.* 1939
178 Sherman Ave., New Haven, Conn.
Fuller, Henry, *W.M.* 1929
210 Hibriten Way, Lakeland, Fla.
Fuller, Henry S., *W.M.* 1943
Walter Reed Army Inst. of Research, Washington, D. C.
Funsch, R. E., a.r.s. *Or.* 1951
950 Francis Pl., Clayton, Mo.; 508 N. Grand Ave., St. Louis, Mo.
Fuson, W. A., r.p. *R.* 1927
905½ Main, Trenton, Mo.
FUTTERMAN, S., biochem. *Oph.*
Mass. E. & E. Inf.
Gabuzda, T. G., *M.* 1956; a.r.p. 1957
Peter Bent Brigham Hosp.
Gaffney, T. E., a.r.p. 1959
Univ. of Cincinnati Coll. of Med., Cincinnati, Ohio
GAITONDE, M. K., a. biochem. (*McL.*)
Medical Research Council, Woodmansterne Rd., Carshalton, Surrey, England
Gall, E. A., r.p. *Path.* 1937
Univ. of Cincinnati Coll. of Med., Cincinnati, Ohio
Gamble, C. J., *W.M.* 1922
73 Adams, Milton
Gammon, W. M., *C.M.* 1932
621 Lawrence Ave., Bristol, Va.-Tenn.
Gamsu, D., r.s. *N.S.* 1948
Florence Nightingale Private Hosp., Johannesburg, South Africa
GANEM, E. J., clin. assoc. *U.*
301 Essex, Lawrence
Gannon, Mary L., r.p. *N.P.* 1947
address unknown
GANZ, R. N., p. *C.M.* (*C.M.* 1925) M. G. H.
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Gardiner, W. J., r.p. *E.M.* 1929
Toronto Gen. Hosp., Toronto, Canada
Gardner, G. E., *C.M.* 1938; r.p. *C.M.* 1939
Judge Baker Guidance Center, 295 Longwood Ave.
Gardner, L. I., *C.M.* 1944; a.r.p. *C.M.* 1947 Coll. of Med., State Univ. of N. Y., Syracuse, N. Y.
GARLAND, J., *Bd. of Cons.* (*C.M.* 1919 and *E.M.* 1921)
8 The Fenway
Garran, F. W., Jr., *S.* 1951; a.r.s. 1955
40 Lewis Bay Rd., Hyannis
GARREN, L., a.r.p. M. G. H.
GARRETT, J. W. D., assoc. an. (*An.* 1940); r.p. *An.* 1941 M. G. H.

GARREY, W. E., clin. assoc. *S.* (*E.S.* 1933); r.s. 1936
585 Main, Malden

Garrigues, H. B., *W.S.* 1939; a.r.s. *W.S.* 1940
1301 Columbia, Seattle, Wash.

Garrity, R. W., sr.r.s. *N.S.* 1950
3300 6th Ave., San Diego, Calif.

GASHGAI, A., a.r.s. (*S.* 1958)
M. G. H.

Gaston, L. W., *M.* 1954; r.p. 1956
M. G. H.

Gates, P. H., r.p. *Psychiat.* (*McL.*) 1942
51 Brattle, Cambridge

GAULD, A. G., clin. assoc. *Obst.* (*E.S.* 1934)
1180 Beacon, Brookline

Gaunt, F. P., *W.S.* 1913
13-A N. Gore Ave., Webster Groves, Mo.

Gauthier, Jacqueline, a.r.p. *Psychiat.* 1957; r.p. *Psychiat.* (*McL.*) 1959
M. G. H.

Gay, L. N., *E.M.* 1918
1114 St. Paul, Baltimore, Md.

GEHRING, J. R., a. *Oph.*
9 Central, Lowell

Gens, J. P., r.s. *U.* 1943
64 Wall, Norwalk, Conn.

Gentry, R. W., *E.S.* 1943
65 N. Madison Ave., Pasadena, Calif.

George, H. L., Jr., *C.M.* 1929; r.p. *C.M.* 1930
104 Paddock, Watertown, N. Y.

GEPHART, F. T., assoc. v.s. (*W.S.* 1942); r.s. 1948
M. G. H.

GERGELY, J., assoc. biochem. *M.*
M. G. H.

Gevalt, F. C., Jr., a.r.p. 1943
Sharon Clinic, Sharon, Conn.

GIBBS, R. F., a.r.p. *An.*
M. G. H.

GIBERTI, FLORENCE, exec. a. *B.M.* (*S.N.* 1929)
M. G. H.

Gibson, G. C., *W.S.* 1944
536 W. Commonwealth Ave., Fullerton, Calif.

Gibson, James M., *Path.*
M. G. H.

Gibson, John G., a.r.p. *Psychiat.* 1951
Dept. of Mental Health, Queen's Univ. of Belfast, Belfast, Northern Ireland

Gibson, L. E., r.s. *U.* 1926
831 James, Syracuse, N. Y.

Giddings, W. P., *W.S.* 1939; r.s. 1946
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Gilbert, A. C., h.s. *U.* 1923
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Giles, R. B., Jr., a.r.p. 1956
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Gillies, A. J., a.r.p. *An.* 1952
789 Howard Ave., New Haven, Conn.

Ginandes, S. C., *C.M.* 1952
270 Commonwealth Ave.

Gittes, R. F., *S.*
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Glendy, Margaret Moriarty, *C.M.* 1932; r.p. *C.M.* 1934
Health Dept., Roanoke, Va.

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Glenn, W. W. L., a.r.s. 1946
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8 Porter, Melrose

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Glover, D. M., *W.S.* 1922
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Godley, Anne F., *M.* 1949; a.r.p. 1950
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Goeringer, C. F., *Or.* 1940
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Goettsch, Elvira, *C.M.* 1931
Univ. of Hawaii, Honolulu, Hawaii

Goetz, F. C., *M.* 1947; c.r.p. 1954
Univ. of Minnesota Hosp., Minneapolis, Minn.

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Goldberg, A. H., a.r.p. *An.* 1960
National Inst. of Health, Bethesda, Md.

Goldberg, L. I., *M.* 1957; a.r.p. 1958
National Inst. of Health, Bethesda, Md.

Goldblatt, M. E., *E.M.* 1926
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Golden, R., h.p. *R.* 1921
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Goldsmith, L. H., *C.M.* 1923
220 College Ave., Athens, Ga.
Goldthwait, J. C., a.r.p. *Path.* 1948
1180 Beacon, Brookline
Gomatos, P. J., r.p. 1959
Rockefeller Inst. Med. Res., 66th and York Ave., New York, N. Y.
Goodale, F., Jr., a.r.p. *Path.* 1954
Dartmouth Med. Sch., Hanover, N. H.
GOODSON, W. H., Jr., r.p. *Psychiat.* (*McL.*) McLean Hosp., Belmont
Gordon, A. M., *C.M.* 1929
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Gordon, E. S., *Path.* 1935
Univ. of Wisconsin Hosp., Madison, Wis.
GORDON, J. E., cons. *Prev. M.*
Harvard Sch. of Public Health
Gordon, P. S., *Dn.* 1955
277 Williams, W. Haven, Conn.
Gore, C. P., a.r.p. *Psychiat.* 1952
Menston Hosp., Ilkley, England
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626 Westminster Ave., Elizabeth, N. J.
Gorrell, J. E., past a. dir.
Electronic Associates, Inc., N. Long Branch, N. J.
Gottschalk, C. W., *M.* 1946; r.p. 1952
Univ. of North Carolina Sch. of Med., Chapel Hill, N. C.
GOULIAN, M., r.p. M. G. H.
Graeser, J. B., *W.M.* 1929
298 Grand Ave., Oakland, Calif.
Graham, C. P., *E.S.* 1935 and *N.S.* 1936
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Roswell Park Memorial Inst., Buffalo, N. Y.
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Faulkner Hosp., Jamaica Plain
Grant, G. J. M., r.p. *D.* 1932
9 Central, Lowell
Grant, L. H., a.r.p. 1957
Johns Hopkins Univ. Sch. of Med., Baltimore, Md.
GRANT, W. M., assoc. s. *Oph.*
Mass. E. & E. Inf.
GRAY, F. C., *Chairman of Trustees* and *Vice-President of the Corporation* 10 P. O. Sq.
Graybiel, A., *E.M.* 1932
U.S. Naval Aviation Med. Center, Pensacola, Fla.
Greeley, H. P., *W.M.* 1910
1901 Monroe, Madison, Wis.
GREEN, T. H., Jr., a.s. (*W.S.* 1947); r.s. 1953 226 Marlborough
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Greene, D. C., *C.M.* 1940
1302 Pennsylvania Ave., Hagerstown, Md.
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85 Jefferson, Hartford, Conn.
GREENE, J. E., clin. assoc. *M.*
23 Bay State Rd.
Greene, N. M., a.r.p. *An.* 1951
Grace-New Haven Community Hosp., New Haven, Conn.
Greene, Richard W., *M.* 1945
32 Johnson Ave., Newark, N. J.
Greene, Robert G., a.r.s. *Or.* 1953
63 S. Fullerton Ave., Montclair, N. J.
Greenhill, M. H., r.p. *Psychiat.* 1939
233 E. 69th, New York, N. Y.
Greenough, J., *W.S.* 1920
400 Main, Oneonta, N. Y.
Greenwood, F. A. H., a.r.s. *Or.* 1959
Montreal Gen. Hosp., Montreal, Canada
GREGG, W. I., clin. assoc. *S.* (*W.S.* 1935) 1269 Beacon, Brookline
Gregory, H. E., *C.M.* 1942
N. Main, Wolfeboro, N. H.
Gregory, R. A., r.p. *N.* 1933
Provincial Hosp., Lancaster, New Brunswick, Canada
Grier, R. S., *E.M.* 1942; a.r.p. 1943
4925 Trinity Dr., Los Alamos, N. M.
GRIESEMER, R. D., a.d.; sr.r.p. *D.* 1949 Peter Bent Brigham Hosp.; M. G. H.
GRIFFEY, L. E., a. *Otolar.*
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Breezy Hill Rd., Canton, Conn.
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GRINER, P. F., a.r.p. (*M.* 1960) M. G. H.
GRISCOM, N. T., a.r.p. *R.* (*C.M.* 1957); a.r.p. *C.M.* 1960 M. G. H.
GROSS, J., assoc. biol. *M.* M. G. H.

Grossman, M. S., *C.M.* 1958; a.r.p. *C.M.* 1959 Children's Med. Center

GROVE-RASMUSSEN, M., dir. of *Blood Bank* M. G. H.

Grover, J. W., *S.* 1957; a.r.s. 1959 Boston Lying-in Hosp.

Groves, L. K., *W.S.* 1947 Cleveland Clinic Foundation, 2020 E. 93rd, Cleveland, Ohio

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Guardo, J. L., *N.S.* 1930; a.r.s. *N.S.* 1931 5 Aldwin Rd., Jamaica Plain

GUILD, H. R., *Trustee* and *Treasurer of the Corporation* 294 Washington

Guller, E. I., *C.M.* 1924 277 Alexander, Rochester, N. Y.

GUNDERSEN, A. ERIK, a.r.s. (*S.* 1956) M. G. H.

Gundersen, Adolf L., *S.* 1950; a.r.s. 1955 Gundersen Clinic, La Crosse, Wis.

Gundersen, Sigurd B., Jr., *S.* 1949; a.r.s. 1954 Gundersen Clinic, La Crosse, Wis.

Gundersen, Sven M., *E.M.* 1931 Hitchcock Clinic, Hanover, N. H.

Gundersen, Thorolf E., r.p. *N.* 1941 Gundersen Clinic, La Crosse, Wis.

GUNDERSEN, TRYGVE, s. *Oph.* 534 Beacon

GURALNICK, W. C., a. oral s. 328 Washington, Wellesley Hills; 29 Commonwealth Ave.

GUTHRIE, A. D., Jr., a. *C.M.* 2 Water, Medford

Guyton, A. C., *W.S.* 1943; a.r.s. 1946 University Med. Center, Jackson, Miss.

Haase, F., Jr., past a. dir. Albany Hosp., Albany, N. Y.

HABER, E., r.p. (*M.* 1957) M. G. H.

HACKETT, T. P., a. psychiat. M. G. H.

HACKING, P. M., a. *R.* M. G. H.

Haessler, H. A., a.r.p. *C.M.* 1960 M. G. H.

HAFTER, S. SHEILA, r.p. *Psychiat.* (*McL.*) McLean Hosp., Belmont

Haggart, G. E., *W.M.* 1920 605 Commonwealth Ave.

HAGGERTY, R. J., a.p. *C.M.* 300 Longwood Ave.

Haines, S. F., *W.M.* 1921 Mayo Clinic, Rochester, Minn.

Hale, C. H., sr. r.p. *R.* 1943 1200 E. Genesee, Syracuse, N. Y.

HALEY, W. D., a.s. *Oph.* 78 Church, Winchester

Hall, B., *M.* 1946 40 S. Clay, Hinsdale, Ill.

Hall, F. C., *E.M.* 1918 1180 Beacon, Brookline

Hall, H. D., *Dn.* 1958; a.r.s. *Dn.* 1959 Univ. of Alabama Med. Center, Birmingham, Ala.

Hall, M. G., *Path.* 1934 Orford, N. H.

Hall, R. G., *W.M.* 1910 919 S.W. Taylor, Portland, Oreg.

HALL, T. C., a. *M.*; a. *M.* (*McL.*); a.r.p. 1954 M. G. H.

HALL, V. R., a. psychiat.; r.p. *Psychiat.* 1938 412 Beacon

HALLENBECK, D. F., Jr., a. psychiat. (*McL.*); r.p. *Psychiat.* 1949; sr. r.p. *Psychiat.* (*McL.*) 1951 McLean Hosp., Belmont

HALLOWELL, P., assoc. an.; a.r.p. *An.* 1955 M. G. H.

Halsted, J. A., *W.M.* 1932 Univ. of Kentucky Med. Center, Lexington, Ky.

Halverstadt, D. B., *S.* M. G. H.

Hamilton, Harold H., r.s. *P.H.* 1933 70 Court, Plymouth

Hamilton, Howard B., *C.M.* 1945 764 S. Emerson Ave., Indianapolis, Ind.

Hamilton, R. DeL., *E.M.* 1904 223 High, Newburyport

Hamilton, T. S., past a. dir. Hartford Hosp., Hartford, Conn.

HAMLIN, E., Jr., v.s. (*W.S.* 1936); r.s. *W.S.* 1939 M. G. H.

HAMLIN, H., a. *N.S.*; r.s. *N.S.* 1942 270 Benefit, Providence, R. I.

Hammond, J. W., Jr., *C.M.* 1911 and *W.M.* 1914 Orford, N. H.

Hammond, W., *Path.* 1929 36 Crane Rd., Scarsdale, N. Y.

Hand, D. W., *Or.* 1934 450 Sutter, San Francisco, Calif.

HANELIN, J., clin. assoc. *R.* Newton-Wellesley Hosp., Newton

Hanflig, S. S., *Or.* 1931 45 Pinehurst Rd., Belmont

Hansen, Robert H., a.r.p. *An.* 1957 286 Marion Dr., Baton Rouge, La.

HANSEN, ROBERT J., cons. *Or.* M.I.T., Cambridge

Hanser, T. H., *E.M.* 1924 3701 Grandel Sq., St. Louis, Mo.

Haralambie, J. Q., *C.M.* 1936
17 N. Chatsworth Ave., Larchmont, N. Y.
Harder, H. J., a.r.p. *An.* 1952
Schwabinger Krankenhaus, München, Germany
HARDY, HARRIET L., assoc. p.
Med. Dept., M.I.T., Cambridge
HARDY, I. B., clin. assoc. *S.* (*E.S.* 1939); a.r.s. 1942
94 Russell, Waltham
HARGRAVES, ELEANOR R., exec. a. (*R.N.*) M. G. H.
Harper, R. S., a.r.p. *Path.* 1958
M. G. H.
Harris, H. P., Jr., *N.S.* 1936
1432 Post Rd., Fairfield, Conn.
Harris, W. Robert, a.r.s. *Or.* 1952
170 St. George, Toronto, Canada
HARRIS, WILLIAM H., a. *Or.;* sr. r.s. *Or.* 1959 M. G. H.
Harrison, Elizabeth R., *C.M.* 1928; r.p. *C.M.* 1929
255 Bradley, New Haven, Conn.
Harrison, M. B., *E.M.* 1938
2000 Van Ness Ave., San Francisco, Calif.
Harrison, P. W., *E.S.* 1909; h.s. *U.* 1915 Penney Farms, Fla.
Harrison, T. S., a.r.s. 1959
Grace-New Haven Community Hosp., New Haven, Conn.
Harter, J. S., *W.S.* 1935
Med. Arts Bldg., Louisville, Ky.
Harting, D., *C.M.* 1947 USPHS, 330 Independence Ave., S.W., Washington, D. C.
Hartwig, A. R., a.r.s. *Or.* 1948
490 Post, San Francisco, Calif.
Harty, J. E., r.p. *Psychiat.* (*McL.*) 1939
101 N. Main, Waterbury, Conn.
Harvey, R. B., *M.* 1946
251 Edwards, New Haven, Conn.
HARWOOD, R., assoc. p. (*W.M.* 1936) M. G. H.
Hashimoto, K., a.r.p. *D.* 1959
2-808 Suidocho, Niigata City, Japan
Haswell, H. P., a.r.p. *An.* 1949
2217 Webster, San Francisco, Calif.
Hatch, Floyd F., *E.S.* 1916; h.s. *E.S.* 1917 699 E. South Temple, Salt Lake City, Utah
HATCH, FRANCIS W., *Trustee*
462 Boylston
HATCH, FREDERICK T., a.p.
M. G. H.
Hathaway, J. S., r.p. *E.M.* 1932
109 College, New Haven, Conn.
HAUSER, G., assoc. biochem. (*McL.*)
McLean Hosp., Belmont
Haut, A., *M.* 1950; r.p. 1953
Univ. of Utah Coll. of Med., Salt Lake City, Utah
Havemeyer, W. F., a.r.s. 1948
2509 E. Elm, Tucson, Ariz.
Hawes, C. H., *W.S.* 1931
151 Rock, Fall River
Hawes, L. E., *E.M.* 1939 and *C.M.* 1940; a.r.p. *R.* 1942
Faulkner Hosp., Jamaica Plain
Hawkes, R. S., *W.M.* 1933
47 Deering, Portland, Maine
Hawkins, R., r.s. *N.S.* 1948
571 Hamilton Ave., Palo Alto, Calif.
HAYCOX, J. A., a. psychiat. (*McL.*)
McLean Hosp., Belmont
HAYDEN, E. P., *Bd. of Cons.;* h.s. *E.S.* 1923 270 Commonwealth Ave.
Hayden, J. W., a.r.s. *Or.* 1955
Gundersen Clinic, La Crosse, Wis.
Hayes, D. R., *E.S.* 1939
281 State, Springfield
Haynes, Ruth C., a.r.p. *An.* 1955
131 S. Grant Ave., Columbus, Ohio
Haynes, W. M., *S.* 1952; a.r.s. 1956
131 S. Grant Ave., Columbus, Ohio
HEAD, J. M., a.s. (*S.* 1951); a.r.s. 1957 87 Chestnut
HEALEY, J. C., r.p. *Psychiat.* (*McL.*)
McLean Hosp., Belmont
Heath, C. W., *W.M.* 1928
Health Service, Tufts Univ., Medford
Heath, P., Jr., a.r.p. 1954
22 White, Rockland, Maine
Heath, R. D., a.r.s. *Or.* 1950
Lankenau Med. Bldg., Philadelphia, Pa.
Hebertson, W. M., r.p. *N.* 1957
975 E. 1st, South, Salt Lake City, Utah
HEDBERG, S. E., a.r.s. (*S.* 1956) M. G. H.
Heffron, R., *E.M.* 1931
The Commonwealth Fund, 1 E. 75th, New York, N. Y.
Heggie, J. F., *M.* 1956
20 Cleveland Ave., Glen Head, Long Island, N. Y.
HELMAN, M. E., a.d.
1874 Beacon, Brookline
Helmholz, H. F., Jr., *W.M.* 1939
Mayo Clinic, Rochester, Minn.

HENDREN, W. H., III, a.s. (*S.* 1953); r.s. 1958 M. G. H.
Hendrick, I., r.p. *Psychiat.* (*McL.*) 1932 84 Mount Vernon
Henley, T. F., *C.M.* 1939
7 E. 78th, New York, N. Y.
Hepburn, J. P., a.r.p. *An.* 1953
Milton Hosp., Milton
Hepburn, R. H., r.s. *U.* 1943
85 Jefferson, Hartford, Conn.
HERBST, A. L., a.r.s. (*S.* 1960)
M. G. H.
HERM, R. J., a. *Oph.*
42 Weston, Waltham
HERMANN, G., a.r.s. (*S.* 1955)
M. G. H.
HERMANN, H. T., a. *Psychiat.*
M. G. H.
Herrera, R. E., *E.S.* 1943; a.r.s. 1946
c/o Herrera and Co., Inc.,
Guatemala City, Guatemala
HERRMANN, J. B., a.r.s. (*S.* 1958)
M. G. H.
Hershey, F. B., *E.S.* 1947; r.s. 1952
18 S. Kingshighway,
St. Louis, Mo.
HERZAN, HELEN M., a. psychiat.
1791 Massachusetts Ave.,
Cambridge
HESS, HELEN H., assoc. n.p. (*McL.*)
McLean Hosp., Belmont
Heusner, A. P., *E.S.* 1939; a.r.s. 1942 and r.s. *N.S.* 1943
Univ. of North Carolina Sch. of Med.,
Chapel Hill, N. C.
Heyl, H. L., r.s. *N.S.* 1940
Dartmouth Med. Sch.,
Hanover, N. H.
Heyl, J. T., *W.M.* 1939
Phillips Exeter Acad., Exeter, N. H.
Hiden, R. B., *W.M.* 1925
Silver Hill Foundation,
New Canaan, Conn.
HIEBERT, C. A., clin. assoc. *S.* (*S.* 1952); r.s. 1958 18 Bramhall,
Portland, Maine
Hiebert, J. M., *C.M.* 1933
1450 Broadway, New York, N. Y.
Hiett, Joan Kazanjian, r.p. *C.M.* 1959
1101 E. Pecan, Altus, Okla.
Higbee, D. R., *W.M.* 1925
1612 Tremont Pl., Denver, Colo.
Higgins, R. B., a.r.s. *U.* 1951
710 Hill Ave., S.W.,
Knoxville, Tenn.
HILL, J. M., a.s. *Oph.*
108 Bay State Rd.
Hill, Leonard W., *C.M.* 1935
76 Bank, Attleboro
Hill, Lewis W., *W.M.* 1915
319 Longwood Ave.
Hill, N. P., *M.* 1946; a.r.p. 1946
Truesdale Hosp., Fall River
HILL, W. R., a.d. M. G. H.
Hills, H. M., Jr., *Or.* 1942
1208 Kanawha Blvd., East,
Charleston, W. Va.
Hills, O. W., *M.* 1943
111 St. Matthews Ave.,
San Mateo, Calif.
Hinshaw, A. J., *E.S.* 1947
3155 Stagg Dr., Beaumont, Tex.
HIRSCH, L. S., a. *Otolar.*
42 Lincoln, Framingham
HIRSCH, O., cons. *N.S.*
186 Commonwealth Ave.
HIRSCHHORN, R. C., a.r.s. *U.*
M. G. H.
Hitchcock, J., *W.M.* 1921
39 Main, Concord
Hobson, L. B., *M.* 1944
Squibb Inst. Med. Res., 745 5th Ave.,
New York, N. Y.
Hochwalt, W. R., *Or.* 1931; r.s. *Or.* 1931 2300 Far Hills Ave.,
Dayton, Ohio
HODGE, A. J., cons. *Or.*
M.I.T., Cambridge
Hodges, T. W., *Or.* 1941
9323 Garland Rd., Dallas, Tex.
HODGSON, J. S., hon. s. (*W.S.* 1916); h.s. *W.S.* 1916 and *E.S.* 1920 1180 Beacon, Brookline
Hoeffel, G. N., *C.M.* 1922; h.p. *C.M.* 1923 Truro
Hofer, M. A., II, *M.* 1959; a.r.p. 1960
New York Hosp., New York, N. Y.
Hoffman, H. A., r.s. *U.* 1946
60 8th, New Bedford
Hoffman, Nancy Davis, a.r.p. *An.* 1960 Base Hosp., Fort Carlson,
Colorado Springs, Colo.
Hogan, J. F., *M.* 1949 and *C.M.* 1950; a.r.p. *C.M.* 1951
156 Broadway, Pawtucket, R. I.
Holbrook, A. A., *C.M.* 1933 and *E.M.* 1934 425 E. Wisconsin Ave.,
Milwaukee, Wis.
HOLDER, R., a. psychiat. (*M.* 1945); r.p. *Psychiat.* 1946
274 Commonwealth Ave.
Holihan, J. P., *E.S.* 1943; a.r.p. *An.* 1949 Andover
HOLLAND, D. J., Jr., clin. assoc. *Dn.* (*Dn.* 1938); a.r.s. *Dn.* 1947
1146 Beacon, Brookline

Holland, Jimmie Brockman, r.p. *Psychiat.* 1955 302 Crosby Blvd., Buffalo, N. Y.

HOLMES, E. M., s. *Otolar.* 330 Dartmouth

HOLMES, J. A., clin. assoc. *S.* (*Path.* 1936 and *E.S.* 1938) 94 Russell, Waltham

Holmes, R. B., r.p. *R.* 1950 Toronto Gen. Hosp., Toronto, Canada

Holmes, S. G., *C.M.* 1943 1606 E. La Rua, Pensacola, Fla.

Holt, C. L., *N.S.* 1938 29 Deering, Portland, Maine

Holt, W. L., Jr., r.p. *N.* 1937 Albany Hosp., Albany, N. Y.

Holtz, A. I., *C.M.* 1958 National Inst. of Health, Bethesda, Md.

HOMANS, J., Jr., a. *M.* (*W.M.* 1942); a.r.p. 1946 1776 Beacon, Brookline

Hoodless, E. C., a.r.s. *Or.* 1952 Kaiser Foundation Hosp., Honolulu, Hawaii

Hopkins, C. E., a.r.p. *C.M.* 1948 113 N. Carroll, Madison, Wis.

Hopkins, F. S., *E.S.* 1919 146 Chestnut, Springfield

Hopkins, R. W., *S.* 1948; a.r.s. 1954 Cleveland Metropolitan Gen. Hosp., Cleveland, Ohio

Hopkins, S. W., *E.S.* 1936 28 Orne, Marblehead

Hormell, R. S., *Or.* 1942 1152 Beacon, Brookline; 8 Porter, Melrose

Horn, C. E., *Or.* 1940; r.s. *Or.* 1942 2901 Capitol Ave., Sacramento, Calif.

Horwitz, W. H., r.p. *Psychiat.* (*McL.*) 1951 220 Bushkill, Easton, Pa.

Houser, G. F., past a. dir. 26 Overlook Circle, New Rochelle, N. Y.

Hovsepian, Jeannette A., a.r.p. *R.* 1958 Johns Hopkins Hosp., Baltimore, Md.

Howard, F. H., *C.M.* 1949; a.r.p. *C.M.* 1950 Dhahran Health Center, Dhahran, Saudi Arabia

Howard, H. H., *W.S.* 1914 Fishers Lane, Delray Beach, Fla.

Howard, J. E., *W.M.* 1930 Johns Hopkins Hosp., Baltimore, Md.; Union Memorial Hosp., Baltimore, Md.

HOWARD, P. M., assoc. c. psychiat. (*McL.*); psychiat.; r.p. *Psychiat.* 1937; r.p. *Psychiat.* (*McL.*) 1939 McLean Hosp., Belmont

HOWE, HENRY D., dn.s. (*Dn.* 1945) 196 Marlborough

Howe, Henry F., r.s. *P.H.* 1934 11 N. Main, Cohasset

HOWE, LOUISA P., a. sociol. *Psychiat.* 20 Whittier

Howland, J. B., past a. dir. (*W.S.* 1897) 657 Main, Hingham

Hoyt, W. F., *W.S.* 1932; r.s. *W.S.* 1934 130 Maple, Springfield

Hubbard, E., Jr., *W.M.* 1921 29 Highland, Cambridge

Huber, W. M., r.p. *D.* 1937 512 Beacon

Huckell, J. R., a.r.s. *Or.* 1958 McLeod Bldg., Edmonton, Alberta, Canada

Hugenberger, P. W., *Path.* 1931 and *Or.* 1935; r.p. *Path.* 1932 234 Marlborough

HUGGARD, MIRIAM, exec. a. *P.H.* (*S.N.* 1931) M. G. H.

HUGGINS, C. E., a. *S.* (*S.* 1953); r.s. 1960 M. G. H.

Hughes, H. C., *Or.* 1937 1750 Race, Denver, Colo.

Hughes, J. R., *M.* M. G. H.

Hügin, W., a.r.p. *An.* 1948 Chir Klink im Burgerspital, Basel, Switzerland

Hummel, L. E., *Path.* 1932 Edward J. Meyer Memorial Hosp., Buffalo, N. Y.

Humphreys, S. P., *Or.* 1936; a.r.s. *N.S.* 1937 266 Beacon

Hunt, R. T. N., *Path.* 1957; a.r.p. *Path.* 1958 555B Forney Loop, Fort Belvoir, Va.

Hunt, S. P., a.r.p. *Psychiat.* 1940 520 Skiff, North Haven, Conn.

Hunter, R. W., a.r.p. *N.* 1939 Hitchcock Clinic, Hanover, N. H.

HUNTINGTON, B. L., a.p. (*W.M.* 1940) John Hancock Mut. Life Ins. Co.

Huntington, J. L., *S.S.* 1908 River Dr., Hadley

Hüppe, J. R., r.p. *R.* 1957 Goethe Str. 45, München 15, Germany

HURLEY, P. D., a. *Oph.* 270 Commonwealth Ave.

HURST, A. L., a. *Otolar.* 98 Adams, Milton

HURWITZ, J. J., a. *U.* 636 Beacon

Hurxthal, L. M., *W.M.* 1925; r.p. *E.M.* 1927 Lahey Clinic

Huston, L. L., *Or.* 1937
67 Converse, Longmeadow

Hyatt, G. T., *W.S.* 1931 and *Or.* 1934 1106 W. Franklin, Evansville, Ind.

Ibsen, B., a.r.p. *An.* 1950
Solotorvet 84, Copenhagen K, Denmark

Ilfeld, F. W., *Or.* 1937; r.s. *Or.* 1937
436 N. Roxbury Dr., Beverly Hills, Calif.

Ingalls, T. H., r.p. *C.M.* 1938
Univ. of Pennsylvania Sch. of Med., Philadelphia, Pa.

INGERSOLL, F. M., assoc. v.s. (*W.S.* 1939); a.r.s. 1942 226 Marlborough

IRWIN, J. W., a. *M.* M. G. H.

Isaacs, J. P., a.r.p. *An.* 1952
Johns Hopkins Hosp., Baltimore, Md.

ISSELBACHER, K. J., a.p. (*M.* 1950); r.p. 1953 M. G. H.

Ives, L. M., r.p. *Psychiat.* (*McL.*) 1933 130 Maple, Springfield

Jackanich, R. F., a.r.p. *An.* 1959
USPHS Hosp., San Francisco, Calif.

Jackson, B. B., *S.* 1953; a.r.s. 1957
Heyburn Bldg., Louisville, Ky.

Jackson, H., Jr., *E.M.* 1919
Tryon, N. C.

Jackson, Lee, r.p. *Psychiat.* (*McL.*) 1959 Children's Med. Center

JACOBSON, B. M., p. M. G. H.

JACOBY, G. A., Jr., a.r.p. (*M.* 1959) M. G. H.

JAKUS, MARIE A., biol. *Oph.*
30 Chambers

James, G. W., III, *M.* 1944
Med. Coll. of Virginia, Richmond, Va.

JAMES, L. P., Jr., a.r.p. *Path.* (*S.* 1959) M. G. H.

James, W. J., r.s. *N. S.* 1949
2929 Loma Vista Rd., Ventura, Calif.

JAMISON, R. L., a.r.p. (*M.* 1961) M. G. H.

JANOWER, M. L., a.r.p. *R.* M. G. H.

Javid, M., r.s. *N.S.* 1952
Univ. of Wisconsin Hosp., Madison, Wis.

JEANLOZ, R. W., assoc. biochem. *M.* M. G. H.

Jefferies, W. McK., *E.M.* 1942
University Hosp., Cleveland, Ohio

Jenkins, M. T., a.r.p. *An.* 1948
Univ. of Texas Southwestern Med. Sch., Dallas, Tex.

Jergesen, F. H., *Or.* 1942
384 Post, San Francisco, Calif.

Jessner, Lucie, r.p. *Psychiat.* (*McL.*) 1939 Univ. of North Carolina, Chapel Hill, N. C.

Jobe, M. C., *C.M.* 1924
227 16th, Denver, Colo.

JOHNSON, C. C., assoc. s. *Oph.*
5 Bay State Rd.

JOHNSON, D. G., a.r.s. (*S.* 1957) M. G. H.

Johnson, F. G., *Dn.* 1943
Litchfield Turnpike, Bethany, New Haven, Conn.

Johnson, Louis F., a.r.p. *An.* 1954
military service

Johnson, Louis G., *Path.* 1940 and *E.M.* 1942; a.r.p. 1942
Royal Victoria Hosp., Montreal, Canada

Johnson, N. P., *E.M.* 1925
1409 Willow, Minneapolis, Minn.

Johnson, O. R., r.p. *D.* 1931
18 Deering, Portland, Maine

Johnson, P. R., *Path.* 1936
85 Jefferson, Hartford, Conn.

Johnson, R. T., a.r.p. *N.* 1960 M. G. H.

Johnson, V. S., sr. r.s. *Or.* 1955
27 Elm, Worcester

Johnston, E. V., *W.S.* 1947
312 W. 8th Ave., Spokane, Wash.

Jones, B. B., *E.M.* 1918 and *C.M.* 1919
526 North Blvd., Richmond, Va.

JONES, C. M., *Bd. of Cons.* (*E.M.* 1919); h.p. *E.M.* 1921 M. G. H.

JONES, ELIZABETH S., cons. for Community Relations M. G. H.

Jones, F. S., *Or.* 1932
85 Jefferson, Hartford, Conn.

Jones, G. E., *E.S.* 1939; a.r.s. 1942
108 W. 22nd, Olympia, Wash.

JONES, H. W., Jr., a. *M.*
330 Dartmouth

JONES, K. E., a. *M.* 135 Clarendon

JONES, R. H., a. *M.;* r.p. 1959 M. G. H.

Jones, T. B., *Thd. S.* 1924
1351 Mount Hope Ave., Rochester, N. Y.

Jones, Wallace A., a.r.p. *Path.* 1959 M. G. H.

Jones, William Nicholas, a.r.s. *Or.* 1954 35 Huntington, New London, Conn.

JONES, WILLIAM NORMAN, a.s. *Or.* (*Or.* 1947) M. G. H.
JOPLIN, R. J., a.s. *Or.* (*Path.* 1929 and *Or.* 1933)
1180 Beacon, Brookline
JORDAN, E. F., a.r.s. *N.S.* M. G. H.
Jordan, W. R., *W.M.* 1930
1631 Monument Ave., Richmond, Va.
Joseph, A. T., *Dn.* 1941
475 Commonwealth Ave.
JOSEPH, J. B., a.r.p. *C.M.* M. G. H.
Joslin, E. P., *W.M.* 1895
15 Joslin Rd.
Josse, J. W., *M.* 1957; a.r.p. 1958
Stanford Univ. Sch. of Med.,
Palo Alto, Calif.
JOYCE, JOSEPHINE, exec. a. (*R.N.*)
M. G. H.
Judd, A. B., *S.* 1955
1170 Massachusetts Ave.,
Cambridge
Judd, J. M., *E.S.* 1944; j.r.s. *E.S.* 1945; r.s. *N.S.* 1946
Murray Hill, Mount Morris, N. Y.
Justi, R. A., r.p. *Path.* 1956
Jackson Memorial Hosp.,
Miami, Fla.

Kahn, D. S., r.p. *Path.* 1950
St. Mary's Hosp., Montreal, Canada
KAHNE, M. J., assoc. psychiat. (*McL.*)
McLean Hosp., Belmont
KALCKAR, BARBARA W., assoc. biochem. *M.* M. G. H.
KALCKAR, H. M., biochem. *Res. Chem.* M. G. H.
Kalil, T. H., a.r.p. *R.* 1946
795 Elm, Manchester, N. H.
KANE, L. W., a. *M.* (*W.M.* 1941)
M. G. H.
Kantor, M., a.r.p. *Psychiat.* 1960
Stanford Med. Center,
Palo Alto, Calif.
KAPLAN, S., a. psychiat.
23 Bay State Rd.
Karian, E., a.r.p. *D.* 1955
270 Commonwealth Ave.
*Karnes, W. E., r.p. *N.* 1958
Box 25, U.S. Air Force Hosp.,
Travis Air Force Base, Calif.
KARTCHNER, M. M., a.r.s. (*S.* 1958)
M. G. H.
Katz, A. M., *M.* 1957; a.r.p. 1960
5210 Greenwood, Chicago, Ill.
Katz, S. L., a.r.p. *C.M.* 1955
Children's Med. Center
Kaufman, H. E., *M.* 1957
Mass. E. & E. Inf.

Kaufman, M. R., r.p. *Psychiat.* (*McL.*) 1933 Mount Sinai Hosp.,
New York, N. Y.
Kaufmann, G. G., a.r.p. 1941
15 Dix, Winchester
KAYCE, M. M., a. *Psychiat.*
1419 Beacon, Brookline
KAZANJIAN, K. A., a.s. *Otolar.*; r.p. *D.* 1933
475 Commonwealth Ave.
KAZANJIAN, V. H., hon. s.
475 Commonwealth Ave.
KEARSLEY, R. B., assoc. p. *C.M.* (*C.M.* 1954); c.r.p. *C.M.* 1956
Main, Norwell
Keats, A. S., a.r.p. *An.* 1951
Jefferson Davis Hosp.,
Houston, Tex.
Keeley, J. K., *N.S.* 1937; r.s. *P.H.* 1938 103 S. Hamilton,
Poughkeepsie, N. Y.
KEENAN, T. J., a. *An.*; a.r.p. *An.* 1959 M. G. H.
Keevil, C. S., Jr., *M.* 1956; r.p. 1958
Concord Med. Center, Concord
Keiser, R. P., *Or.* 1942
Coral Gables Clinic,
Coral Gables, Fla.
KELEMEN, G., res. cons. *Otolar.*
Mass. E. & E. Inf.
KELLER, J. W., a. *M.* 266 Beacon
KELLEY, RITA M., assoc.p. (*M.* 1947); r.p. 1949 M. G. H.
KELLEY, S. B., v.u. (*E.S.* 1931); r.s. *U.* 1933 412 Beacon
KELLEY, V. J., s. *Otolar.*
520 Commonwealth Ave.
KELLY, J. F., podiatrist *Or.*
924 Statler Office Bldg.
KELLY, L. T., a.r.p. *An.* M. G. H.
Kendrick, J. I., *Or.* 1933
2020 E. 93rd, Cleveland, Ohio
Kennard, H. E., *W.S.* 1934
246 Dudley Rd., Newton Centre
Kennedy, B. Hughes, *C.M.* 1921
2940 Clairmont Ave.,
Birmingham, Ala.
Kennedy, Byrl J., *M.* 1946; r.p. 1952
Univ. of Minnesota Med. Center,
Minneapolis, Minn.
KENNEDY, D. A., a. soc. anthropol. (*McL.*) 3 Felton, Cambridge
Kennedy, J. H., *S.* 1950; a.r.s. 1955
7755 Fay Ave., La Jolla, Calif.
Kennedy, R. P., *Thd. S.* 1924
Box 262, Richmond, Ind.
KENNER, G., a.r.s. *Or.* M. G. H.
KENT, C., assoc. s. *Otolar.*
270 Commonwealth Ave.

*Not in States and Cities section of this Directory

KERMOND, W. L., a. *Or.*
175 Washington, Winchester
Kernan, R. D., *Path.* 1945
3 rue Edouard Nortier, Neuilly-sur-Seine, France
KERR, WALTER S., Jr., a. u. (*W.S.* 1943); a.r.s. 1947; r.s. *U.* 1949 M. G. H.
Kerr, William J., *W.M.* 1916
Box 338, Blue Lake, Humboldt County, Calif.
Kerrigan, G. A., *C.M.* 1950; c.r.p. *C.M.* 1952
Milwaukee Children's Hosp., Milwaukee, Wis.
Kershaw, Beatrice R., r.p. *Psychiat.* (*McL.*) 1939
29 Louise Rd., Belmont
KETCHUM, P., *Trustee* and *President of the Corporation* 294 Washington
Ketchum, W. F., *C.M.* 1948
11 Main, Cooperstown, N. Y.
Kettle, R. H., r.p. *Psychiat.* (*McL.*) 1931 Norwich State Hosp., Norwich, Conn.
KEUPER, C. S., a. *D.;* r.p. *D.* 1951
Concord Med. Center, Concord
Key, R. E., sr.r.s. *Or.* 1958
800 5th Ave., Fort Worth, Tex.
Key, W. A., *Or.* 1927
23 Baldwin Ave., San Mateo, Calif.
Keyes, G. H., *M.* 1947
Ogden Clinic, Ogden, Utah
Kiely, B., *M.* 1952
University Hosp., Madison, Wis.
Kilfoyle, R. M., a.r.s. *Or.* 1951
457 Main, S. Weymouth
Kimball, P. G., *Dn.* M. G. H.
Kimberly, C. H., r.p. *N.* 1929
Stockbridge
Kimura, K. K., *C.M.* 1955; a.r.p. *C.M.* 1956
9 Stuart Ter., Worthington Heights, Bel Air, Md.
*Kind, H. A., *C.M.* 1935
U.S. Army Dispensary, Fort Hamilton, Brooklyn, N. Y.
KING, D. S., hon. p. (*E.M.* 1920)
4 Downing Rd., Hanover, N. H.
King, H. S., a.r.p. *C.M.* 1959
20 Egmont, Brookline
King, W. B., Jr., a.r.p. *Path.* 1956
700 Fleet, Baltimore, Md.
Kinney, R. J., a.r.p. 1943
Box 669, Fort Bayard, N. M.
KINOSHITA, J. H., biochem. *Oph.*
Mass. E. & E. Inf.

*Not in States and Cities section of this Directory

Kinsey, Dera, a.r.p. 1939
203 Commonwealth Ave.
KIRKWOOD, S. B., *Bd. of Cons.* (*W.S.* 1934) 1180 Beacon, Brookline
KITE, O. W., dn.s. (*Dn.* 1951)
29 Bay State Rd.
Kitts, A. W., r.p. *C.M.* 1941
346 W. Baltimore Ave., Media, Pa.
KJELLBERG, R. N., a. *N.S.;* r.s. *N.S.* 1959 M. G. H.
Klaus, Hanna, a.r.p. *Path.* 1953
8400 Pine Rd., Philadelphia, Pa.
Kleaveland, R.N., *S.* 1952; a.r.s. 1956
Medical Center, Spokane, Wash.
KLEIN, DAVID M., a.r.s. *N.S.* M. G. H.
KLEIN, DONALD C., assoc. psychol.
11 Abbott Rd., Wellesley
Klein, E., a.r.p. *D.* 1959 M. G. H.
KLEINMAN, L. I., a.r.p. *C.M.* (*C.M.* 1961) M. G. H.
KLINGENSMITH, W. E., a.r.s. (*S.* 1955) M. G. H.
KLOTZ, R. E., a.s. *Otolar.*
Mass. E. & E. Inf.
Knapp, M. R., a.r.p. *An.* 1955
4601 E. Douglas, Wichita, Kan.
Knapp, P. H., a.r.p. *Psychiat.* 1947
Boston Univ.-Mass. Memorial Hosp. Med. Center
Knapp, R. G., Jr., *Dn.* 1950
258 Genesee, Utica, N. Y.
Kneisel, J. J., *E.M.* 1940
15 W. 12th, New York, N. Y.
KNOWLES, J. H., a.p. (*M.* 1952); c.r.p. 1958 M. G. H.
Koch-Weser, J., *M.* 1955; r.p. 1959 H. M. S.
Koppel, Elizabeth A., a.r.p. *An.* 1954
437 Cedar, N.W., Washington, D. C.
Korn, D., *Path.* 1960 M. G. H.
KORNFELD, W., a. attend. psychiat. (*McL.*) 1419 Beacon, Brookline
Kosek, Margaret Single, a.r.p. *C.M.* 1958 Palo Alto Med. Clinic, Palo Alto, Calif.
Kozol, H. L., *E.M.* 1936
115 Bay State Rd.
Kramer, J. G., *C.M.* 1917
159 S. Main, Akron, Ohio
KRANE, S. M., a.p. (*M.* 1952); c.r.p. 1957 M. G. H.
KRANES, A., p. (*W.M.* 1932); c.r.p. 1935 M. G. H.
KRAUS, P. S., assoc. attend. psychiat. (*McL.*) 12 Longfellow Rd., Wellesley

Kraut, H. L., a.r.p. *D.* 1957
1742 Summer, Stamford, Conn.
Kravitz, A. R., *M.* 1955
Beth Israel Hosp.
KRAYER, O., cons. *Pharm.* H. M. S.
Kreisle, J. E., *W.M.* 1943; r.p. 1947
2317 Longview Ave., Austin, Tex.
KRICKSTEIN, H. I., a.r.p. *Path.*
M. G. H.
Kristjansson, H., a.r.s. *Or.* 1946
address unknown
KUBIK, C. S., *Bd. of Cons.*
M. G. H.
KUBZANSKY, P. E., a. psychol.
Boston Univ., 308 Bay State Rd.
Kuhlman, E. G., *C.M.* 1925
122 W. 5th, E. Liverpool, Ohio
Kuhlmann, R. F., sr. r.s. *Or.* 1948
80 Colchester Ave., Burlington, Vt.
Kuhn, W. G., Jr., a.r.s. *Or.* 1949
251 Powers,
New Brunswick, N. J.
Kuhns, J. G., *Or.* 1926
416 Marlborough
KULDAU, J. M., r.p. *Psychiat.* (*McL.*) McLean Hosp., Belmont
Kulka, J. P., a.r.p. *Path.* 1947
Robert Breck Brigham Hosp.
KUNZ, L. J., a.b. M. G. H.
KUPFER, C., a. *Oph.*
Mass. E. & E. Inf.
KUWABARA, T., a. *Oph.* path.
Mass. E. & E. Inf.
Lacey, W. H., *W.S.* 1917
W. Hill Rd., Keene, N. H.
Lake, M., *W.M.* 1924
11 E. 68th, New York, N. Y.
Lambert, E. C., *E.M.* 1943
Children's Hosp., Buffalo, N. Y.
Lambert, J. T., *W.M.* 1942
768 Park Ave., New York, N. Y.
LAMDIN, SUSANNE J., a. *An.* (*C.M.* 1953); a.r.p. *An.* 1959 M. G. H.
LAMKINS, B. E., a.r.p. *D.* M. G. H.
LAMONT, J. H., assoc. psychiat.; sr.r.p. *Psychiat.* (*McL.*) 1951
M. G. H.
LAMPERT, N. R., a.r.s. (*S.* 1960)
M. G. H.
Lamson, P. D., *E.M.* 1910
Vanderbilt Univ. Med. Sch.,
Nashville, Tenn.
LANG, D. J., a.r.p. *C.M.* M. G. H.
Langer, G. A., *M.* 1955; r.p. 1960
Dept. of Cardiovascular Research,
Univ. of California at Los Angeles
Med. Center, Los Angeles, Calif.
LANGEVIN, H. J., a. admin. (*McL.*)
McLean Hosp., Belmont
Lansing, C., *C.M.* 1948; a.r.p. *C.M.* 1950
North Carolina Memorial Hosp.,
Chapel Hill, N. C.
LANSKY, L. M., a. psychol.
Harvard Grad Sch. of Education,
6 Everett, Cambridge
Larkey, J., *W.S.* 1928
431 30th, Oakland, Calif.
Laron, Z., r.p. *C.M.* 1955
Beilinson Hosp., Petah Tiqva, Israel
LARSON, C. B., *Bd. of Cons.* (*Or.* 1938)
University Hosp., Iowa City, Iowa
Lassiter, W. E., *M.* 1955; a.r.p. 1956
59 Hamilton Rd., Chapel Hill, N. C.
Laster, L., *M.* 1950; r.p. 1953
National Inst. of Health,
Bethesda, Md.
LAVER, M. B., a. *An.* M. G. H.
LAWLOR, R. C., a. *Oph.*
9 Central, Lowell
Lawrence, G. Hugh, *W.S.* 1947; a.r.s. 1952 1118 9th Ave., Seattle, Wash.
LAWRENCE, GLENN W., dn.s.
25 Bay State Rd.
LAWRENCE, JOHN E., *Trustee*
177 Milk
Lawrence, John S., *W.M.* 1925
Med. Sch. of Univ. of California
South, Los Angeles, Calif.
Layzer, R. B., *M.* 1958; a.r.p. 1959
Columbia-Presbyterian Med. Center,
New York, N. Y.
Lazarus, H. R., r.p. *Psychiat.* (*McL.*) 1959 166 Almont, Mattapan
Leach, C. A., Jr., a.r.p. *C.M.* 1951
525 Southfield Rd.,
Birmingham, Mich.
LEADBETTER, G. W., Jr., a. *U.*; sr.r.s. *U.* 1959 M. G. H.
LEADBETTER, W. F., c. *U.* M. G. H.
LEAF, A., assoc.p. (*M.* 1944)
M. G. H.
LEAHEY, B. D., s. *Oph.*
9 Central, Lowell
LEAPE, L. L., Jr., a.r.s. (*S.* 1960)
M. G. H.
LeBARON, F. N., assoc. biochem. (*McL.*) McLean Hosp., Belmont
Ledbetter, Betsy A., a.r.p. *An.* 1955
1513 Line Ave., Shreveport, La.
LeDonne, J. E., r.p. *D.* 1952
357 Essex, Salem
Lee, J. M., *C.M.* 1916
706 Church, Nashville, Tenn.
LEE, R. I., hon. p. (*E.M.* 1907)
264 Beacon

Leeman, C. P., *M.* 1960
Mass. Mental Health Center
Leeper, R. W., r.p. *D.* 1950
Kaiser Foundation Hosp., Oakland, Calif.
LEES, MARJORIE B., assoc. biochem. (*McL.*) McLean Hosp., Belmont
LEES, R. S., a.r.p. (*S.* 1960) M. G. H.
Legge, R. F., *Or.* 1935
Gorgas Hosp., Balboa Heights, Canal Zone
Leiderman, P. H., r.p. *Psychiat.* 1957
Mass. Mental Health Center
Leidholt, J. D., a.r.s. *Or.* 1952
830 E. 18th Ave., Denver, Colo.
Leigh, A. D., r.p. *Psychiat.* 1948
150 Harley, London W. 1, England
Leighton, J., r.p. *Path.* 1949
Univ. of Pittsburgh Sch. of Med., Pittsburgh, Pa.
Leinbach, T. C., a.r.s. *Or.* 1956
330 N. 5th, Reading, Pa.
Leister, C. M., *C.M.* 1934
1731 W. Broad, Bethlehem, Pa.
LELE, P. P., a. neurophysiol. (*N.S.*) M. G. H.
LENTINE, J., s. *Otolar.*
15 Bay State Rd.
LEONARD, L. M., a.r.s. *Or.* M. G. H.
LEPPER, EDNA S., assoc. dir. *Nurs. Serv.* (*S.N.* 1926) M. G. H.
LERMAN, J., p.
370 Commonwealth Ave.
LESKOWITZ, S., assoc. immunol. *M.* M. G. H.
Letsou, V. G., a.r.p. *D.* 1956
170 Merrimack, Lowell
Levene, M. B., r.p. *R.* 1954
636 Beacon
LEVENTHAL, C. M., a.r.p. *N.* M. G. H.
LEVER, W. F., *Bd. of Cons.;* a.r.p. *D.* 1938 270 Commonwealth Ave.
LEVEY, B., r.p. *Psychiat.* (*McL.*)
McLean Hosp., Belmont
LEVEY, R. H., a.r.s. (*S.* 1960) M. G. H.
Levine, Herbert J., a.r.p. 1958
Peter Bent Brigham Hosp.
LeVINE, HERBERT O., a. *Psychiat.*
379 Central, Auburndale
LEVITAN, J. J., a.dn.s. 80 Boylston
Levy, S. W., a.r.p. *D.* 1951
450 Sutter, San Francisco, Calif.
LEWIS, D. K., assoc. s. *Otolar.*
15 Dix, Winchester; Mass. E. & E. Inf.
Lewis, E. O., sr.r.p. *R.* 1945
St. Luke's Hosp., New Bedford
Lewis, James, *W.M.* 1935 and *C.M.* 1936 281 State, Springfield
LEWIS, JOHN L., Jr., a.r.s. (*S.* 1958) M. G. H.
LEWIS, JOSEPH L., clin. assoc. *C.M.* (*C.M.* 1936); r.p. *C.M.* 1937
25 Grant, Waltham
Lezer, L. R., past a. dir.
Crotched Mountain Foundation, Greenfield, N. H.
Licciardello, A. T., *M.* 1948; a.r.p. 1949 2875 Main, Stratford, Conn.
Lichtenwalner, C. S., *M.* 1950; a.r.p. 1951 Sch. of Med., American Univ. of Beirut, Beirut, Lebanon
Lichty, J. S., past a. dir.
Akron Gen. Hosp., Akron, Ohio
LIEBMAN, S. D., assoc.s. *Oph.*
115 Bay State Rd.
Liffmann, K. E., *Dn.* 1956
168 Lloyd Ave., Providence, R. I.
LIFTON, R. J., a. *Psychiat.*
107 Garden, Cambridge
LIFVERGREN, SARAH M., exec. a. *Gen. Hosp.* and *B.M.* (*S.N.* 1930) M. G. H.
Lilly, T. E., Jr., *E.S.* 1943
Argyle Bldg., Kansas City, Mo.
Lincoln, J. R., *Or.* 1918
709 Main, Wareham
LINCOLN, R. C., dn.s. (*Dn.* 1953) M. G. H.
LINDEMANN, E., c. *Psychiat.;* psychiat. (*McL.*) M. G. H.
Linenthal, A. J., a.r.p. 1944
1265 Beacon, Brookline
LINGEMAN, B. S., a. *Oph.*
328 Washington, Wellesley Hills
Lingenfelter, G. P., *D.* 1910
1612 Tremont Pl., Denver, Colo.
Lingley, J. R., a.r.p. *R.* 1931
27 Elm, Worcester
LINTON, R. R., *Bd. of Cons.* (*W.S.* 1928); r.s. *W.S.* 1930
1180 Beacon, Brookline
Lipman, M. M., r.p. 1959
Columbia-Presbyterian Med. Center, New York, N. Y.
Lipowski, Z. J., a.r.p. *Psychiat.* 1959
Royal Victoria Hosp., Montreal, Canada
LITTLE, J. B., r.p. *R.* M. G. H.
LITTLEFIELD, J. W., a. *M.* (*M.* 1948); r.p. 1950 M. G. H.

LITTMANN, D., clin. assoc. *M.*
Vet. Adm. Hosp.,
W. Roxbury

Liu, C. T., r.s. *N.S.* 1946
1429 Nursery Lane,
Walnut Creek, Calif.

Lium, R., *E.S.* 1935
388 State, Portsmouth, N. H.

Livermore, G. R., Jr., *W.S.* 1943
Baptist Memorial Hosp.,
Memphis, Tenn.

Livingston, W. K., *W.S.* 1922
Camp Sherman, Oreg.

LIVINGSTONE, J. B., r.p. *Psychiat.* (*McL.*) McLean Hosp., Belmont

Lloyd, J. B., *E.S.* 1944; sr. r.s. 1946
Lemuel Shattuck Hosp.

Locke, E. A., *E.M.* 1902
Wilton, N. H.

Locke, H. L. F., *C.M.* 1912
293 Farmington Ave.,
Hartford, Conn.

Locksley, H. B., *S.* 1950; sr. r.s. *N.S.* 1956 University Hosp.,
Univ. of Iowa, Iowa City, Iowa

Loeb, R. F., *W.M.* 1920
950 Park Ave., New York, N. Y.

LOFTFIELD, R. B., assoc. biochem. *M.* M. G. H.

Lombroso, C. T., a.r.p. *N.* 1955
Children's Med. Center

LORENZ, MARIA, a. psychiat.; assoc. psychiat. (*McL.*); sr.r.p. *Psychiat.* (*McL.*) 1949 M. G. H.

LOS, E., a.r.p. *An.* M. G. H.

Lothrop, O. A., *W.S.* 1909
91 Neshobe Rd., Waban

Lotz, M., *M.* 1959; a.r.p. 1960
M. G. H.

Lowd, H. M., Jr., *C.M.* 1941
359 Essex, Salem

Lowe, C. U., r.p. *C.M.* 1948
219 Bryant, Buffalo, N. Y.

LOWELL, F. C., p. M. G. H.

LOWELL, J. D., a. *Or.*; a.r.s. *Or.* 1953 M. G. H.

LOWELL, R., *Trustee* 100 Franklin

Lowell, W. H., Jr., a.r.p. 1940
85 Jefferson, Hartford, Conn.

LOWENSTEIN, E., a.r.p. *An.*
M. G. H.

Lowis, S., *N.S.* 1936; r.s. *N.S.* 1940
475 Commonwealth Ave.

Lowrey, S. R., r.s. *U.* 1936
170 St. George, Toronto, Canada

Luck, D. J. L., *M.* 1954; r.p. 1958
Rockefeller Inst. Med. Res.,
66th and York Ave.,
New York, N. Y.

Ludwig, A. O., *E.M.* 1932; r.p. 1936; r.p. *Psychiat.* (*McL.*) 1937
2 W. Cedar

Ludwig, G. D., a.r.s. 1950
Hosp. of Univ. of Pennsylvania,
Philadelphia, Pa.

Luessenhop, A. J., r.s. *N.S.* 1957
Georgetown Univ. Hosp.,
Washington, D. C.

Luikart, R. H., *W.S.* 1917
Med. Arts Bldg., Omaha, Nebr.

Luikart, R. H., II, *M.* 1944; a.r.p. *D.* 1948
1532 Anacapa, Santa Barbara, Calif.

Lund, C. C., *E.S.* 1922; h.s. *Thd. S.* 1923 319 Longwood Ave.

Lund, I., a.r.p. *An.* 1947
Ulleval Sykehus,
Oslo, Norway

Lunt, L. K., *W.M.* 1916
1125 Pecos Rd., Santa Fe, N. M.

LUONGO, M. A., cons. *Forensic Path.* (*Path.* 1946); a.r.p. *Path.* 1947 H. M. S.

Lurie, A. S., a.r.p. *D.* 1959
150 Bradlee Ave.,
Swampscott

LURIE, M. H., dir. res. *Otolar.*
483 Beacon

Lyons, C., *W.S.* 1933; r.s. 1936
Med. Coll. of Alabama,
Birmingham, Ala.

Lytton, W. B., r.p. *Psychiat.* (*McL.*) 1937 St. Vincent's Hosp.,
St. Louis, Mo.

MABREY, R. E., a.s.
270 Commonwealth Ave.

McAlpine, F. S., c.r.p. *An.* 1957
Lahey Clinic

McARTHUR, JANET W., assoc.p.; a.r.p. 1944 M. G. H.

MacAusland, A. R., *W.S.* 1911
218 Commonwealth Ave.

MacAUSLAND, W. R., Jr., a.s. *Or.*
412 Beacon

McCann, S. M., *M.* 1949; a.r.p. 1950
Univ. of Pennsylvania Sch. of Med.,
Philadelphia, Pa.

McCARTEN, HELENA, exec. a. *P.H.* (*S.N.* 1933) M. G. H.

McCARTHY, P. L., a.d.
36 Adams, Quincy

McClellan, Betty J., *Path.* 1958; a.r.p. *Path.* 1960 Johns Hopkins Hosp.,
Baltimore, Md.

McClellan, W. S., *W.M.* 1925
Univ. of North Carolina
Sch. of Med., Chapel Hill, N. C.

McCLELLAND, W. K., clin. assoc. *S.* 497 Main, Greenfield

McClung, J. L., r.p. *An.* 1952 5522 Tolman Ter., Madison, Wis.

McConnell, F., r.p. *R.* 1956 Montreal Gen. Hosp., Montreal, Canada

McCort, J. J., r.p. *R.* 1944 Santa Clara County Hosp., San Jose, Calif.

McCOY, W. T., r.p. *R.* M. G. H.

McCully, K. S., *M.* 1960 National Inst. of Health, Bethesda, Md.

McCune, W. S., *W.S.* 1937 1150 Connecticut Ave., N.W., Washington, D. C.

McDaniel, J. R., *E.S.* 1940; a.r.s. 1946 902 Edmond, St. Joseph, Mo.

MacDermot, P. N., *C.M.* 1930 580 Grosvenor Ave., Westmount, Montreal, Canada

McDermott, L. J., *Or.* 1938 151 Vaughan, Portland, Maine

McDERMOTT, W. V., Jr., assoc. v.s. (*W.S.* 1943); r.s. 1951 M. G. H.

MacDONALD, A. S., Jr., clin. assoc. *C.M.* 24 Abbott, Beverly

McDONALD, F. C., clin. assoc. *C.M.* 39 Main, Concord

Macdonald, H. E., Jr., *N.S.* 1931; a.r.s. *N.S.* 1933 Majuro, Marshall Islands

MacDonald, R. F., *E.S.* 1922 McGuire Vet. Adm. Hosp., Richmond, Va.

McElroy, W. D., *Or.* 1932 3716 Market, Youngstown, Ohio

McFarland, R. B., a.r.p. *Path.* 1959 Denver Gen. Hosp., Denver, Colo.

McGahey, C. E., r.s. 1946 795 Elm, Manchester, N. H.

McGINN, S., clin. assoc. *M.* 270 Commonwealth Ave.

McGinty, J. B., a.r.s. *Or.* 1960 Children's Med. Center

McGOVERN, J. J. M., a.p. *C.M.* M. G. H.

McGovney, R. B., *Or.* 1930 Box 30, Waiakoa, Maui, Hawaii

McGRATH, E. F., a.p. *C.M.* 71 Adams, Milton

McGUGAN, A. D., r.p. *D.* M. G. H.

Mach, B. F., *M.* 1959; a.r.p. 1960 Rockefeller Inst. Med. Res., 66th and York Ave., New York, N. Y.

McHUGH, CATHERINE, exec. a. (*R.N.*) M. G. H.

McHugh, P. R., r.p. *N.* 1960 address unknown

McIlroy, W. J., a.r.p. *Path.* 1960 National Hosp., Queen Sq., London, England

McIntyre, Patricia A., *M.* 1953 Confederate Memorial Med. Center, Shreveport, La.

McIver, M. A., h.s. *E.S.* 1922 12 Main, Cooperstown, N. Y.

Mack, J. E., *M.* 1956 430 W. 116th, New York, N. Y.

McKay, W. W., *C.M.* 1921 R.R. 1, Aylmer, Quebec, Canada

McKEE, D. M., a.r.s. (*S.* 1957) M. G. H.

McKeever, F. M., *Or.* 1930 2010 Wilshire Blvd., Los Angeles, Calif.

McKEIGUE, J. E., assoc. s. *Otolar.* 94 Pleasant, Arlington; 274 Commonwealth Ave.

McKenna, J. B., r.p. *Psychiat.* (*McL.*) 1932 Hitchcock Clinic, Hanover, N. H.

McKenzie, W. L., r.p. *C.M.* 1924 15 Dix, Winchester

McKHANN, C. F., III, a.r.s. (*S.* 1956) M. G. H.

*Mackie, R. W., sr.r.s. *N.S.* 1954 U.S. Naval Hosp., c/o F.P.O. 3923, San Francisco, Calif.

MacKINNON, CHRISTINE, exec. a. *B.M.* (*S.N.* 1928) M. G. H.

MacKinnon, R., r.p. *Psychiat.* (*McL.*) 1930 Londonderry, Nova Scotia, Canada

McKITTRICK, J. B., a.s. (*An.* 1938 and *W.S.* 1939); r.s. *W.S.* 1942 1180 Beacon, Brookline

McKITTRICK, L. S., *Bd. of Cons.* (*W.S.* 1919) 1180 Beacon, Brookline

MacLaren, W. R., *C.M.* 1939; r.p. *C.M.* 1942 136 N. Madison Ave., Pasadena, Calif.

McLAUGHLIN, C. H., a.s. *Oph.* 834 Broadway, Everett

McLaughlin, W. B., *Or.* 1931 6077 Jenkins Arcade, Pittsburgh, Pa.

*Not in States and Cities section of this Directory

McLEAN, J. D., a. podiatrist *Or.*
38 Church, Winchester
MacLEOD, G. K., a.r.p. M. G. H.
McMAHON, A. W., clin. assoc. *Psychiat.* 270 Commonwealth Ave.
MacMahon, C. E., *E.S.* 1938
900 Boylston Ave., Seattle, Wash.
MACMILLAN, A. S., Jr., r. (*E. & E.*); r.p. *R.* 1953
319 Longwood Ave.
MacMillan, Hugh Alexander, a.r.p. *Path.* 1950
205 Kent, Charlottetown, Prince Edward Island, Canada
MacMillan, Hugh Allen, Jr., a.r.s. 1947 1801 High, Denver, Colo.
McMillan, R. M., a.r.p. 1941
Southern Pines, N. C.
MACNAMARA, T. E., a. *An.* M. G. H.
McNEELY, W. F., a. *M.*
226 Marlborough
McNEILL, J. M., a.r. M. G. H.
McNie, A. B., a.r.p. *Path.* 1957
353 30th, Oakland, Calif.
Macomber, D., *S.S.* 1911
Tide River Farm, Brunswick, Maine
McPeak, C. N., r.p. *R.* 1929
18 Hartwell, Fitchburg
McPEEK, B., a.r.p. *An.* M. G. H.
McPherson, S. R., a.r.s. *Or.* 1949
85 Jefferson, Hartford, Conn.
Madden, E. J., a.r.s. *Or.* 1960
Children's Med. Center
MADDEN, J. W., a.r.s. (*S.* 1959) M. G. H.
Madey, S. L., *C.M.* 1944
1401 N. Foster, Baton Rouge, La.
MAGRAW, C. E., a. attend. psychiat. (*McL.*) 1419 Beacon, Brookline
Mahoney, S. A., Jr., *E.S.* 1926
727 Dwight, Holyoke
Maier, J., *E.M.* 1940
Rockefeller Foundation, New York, N. Y.
Maisel, B. W., r.p. *Path.* 1943
1 E. 69th, New York, N. Y.
Makel, H. P., c.r.p. *An.* 1949
2217 Webster, San Francisco, Calif.
Malcolm, J. A., *S.* 1953; a.r.s. 1958
Vet. Adm. Hosp., 408 1st Ave., New York, N. Y.
MALOOF, F., a.p.; a.r.p. 1952 M. G. H.
Maloy, J. K., *E.S.* 1947
120 W. Ravine Rd., Kingsport, Tenn.
MALT, R. A., a.r.s. (*S.* 1956) M. G. H.
Mancall, E. L., a.r.p. *Path.* 1957
Jefferson Med. Coll. of Philadelphia, Philadelphia, Pa.
MANCALL, I. T., a. *Oph.*
750 Main, Hartford, Conn.
MANGIARACINE, ANITA B., b. *Oph.* and *Otolar.* Mass. E. & E. Inf.
Mangoni, A., a.r.p. *Psychiat.* 1960
Medical Research Council, Woodmansterne Rd., Carshalton, Surrey, England
Manly, I. V., *E.S.* 1947; a.r.s. 1952
2021 Clark Ave., Raleigh, N. C.
MANN, W., a. psychiat. M. G. H.
Mannick, J. A., *S.*, 1954; a.r.s. 1960
Med. Coll. of Virginia, Richmond, Va.
MANNIK, M., a.r.p. (*M.* 1960) M. G. H.
Manson, Elizabeth Sprague, *C.M.* 1953
1030 Sir Francis Drake Blvd., Kentfield, Calif.
Marble, A., r.p. *W.M.* 1930
15 Joslin Rd.
MARBLE, H. C., hon. s. (*W.S.* 1912)
270 Commonwealth Ave.
MARCUS, S. M., *Bd. of Cons.*
520 Beacon
MARFEY, S. P., biochem. *Otolar.*
Mass. E. & E. Inf.
MARK, V. H., a. *N.S.*; sr. r.s. *N.S.* 1954 M. G. H.
MARKLAND, A. C., sr.a.r.s. *U.* M. G. H.
MARKS, G. A., clin. assoc. *S.* (*E.S.* 1931); r.s. *E.S.* 1933
15 Dix, Winchester
Maroney, J. W., r.p. *C.M.* 1932
1207 Delaware Ave., Wilmington, Del.
Marshall, C. S., r.p. *N.* 1927
Dept. of Public Health, Halifax, Nova Scotia, Canada
Marshall, Clare K., r.p. *N.* 1954
433 Main, Burlington, Vt.
Martin, C. L., h.p. *R.* 1920
3501 Gaston Ave., Dallas, Tex.
Martin, D. B., *M.* 1955; c.r.p. 1959
National Inst. of Health, Bethesda, Md.
Martin, J. A., *W.S.* 1946; r.p. *R.* 1951
3501 Gaston Ave., Dallas, Tex.
MARTIN, L. E., comptroller M. G. H.
MARTIN, S. F., a.s. *Oph.*
165 Bay State Rd.

MARUYAMA, Y., r.p. *R.* M. G. H.
Mason, E. D., *M.* 1946
246 26th, Santa Monica, Calif.
Mason, W., *E.M.* 1920; h.p. *E.M.* 1921
151 Rock, Fall River
Massie, W. K., *Path.* 1938
304 S. Limestone, Lexington, Ky.
Matchett, F. L., *Or.* 1934
1830 Williams, Denver, Colo.
Mathews, S. S., *Or.* 1928
8820 Wilshire Blvd., Beverly Hills, Calif.
Mathieu, T. J., r.s. *U.* 1954
1120 W. Spruce, Yakima, Wash.
Mathis, W. H., Jr., r.p. *R.* 1948
Kennestone Hosp., Marietta, Ga.
MATTOS, E. R., a.dir. M. G. H.
MATZ, M. H., a. *D.*
51 Brattle, Cambridge
Maughs, S. B., a.r.p. *Psychiat.* 1938
Psychiatric Unit,
Forty-five Hundred West Pine Clinics, 4500 W. Pine Blvd.,
St. Louis, Mo.
May, H. L., a.r.s. 1959
Hôpital Albert Schweitzer,
St. Marc, Haiti
Mayer, R. F., a.r.p. *N.* 1957
Boston City Hosp.
MAYMAN, C. I., r.p. *N.* M. G. H.
MAYNARD, E. P., III, a. *M.* M. G. H.
Maynard, G. B., Jr., *W.S.* 1943
60 8th, New Bedford
Mayo, F. B., *E.M.* 1943; a.r.p. 1944
144 Beach Bluff Ave., Swampscott
MAYO, R. A., a. *Or.*; sr. r.s. *Or.* 1956
412 Beacon
Mazuzan, J. E., Jr., c.r.p. *An.* 1959
Mary Fletcher Hosp.,
Burlington, Vt.
Mead, S., *E.M.* 1940 and *Path.* 1941; a.r.p. *N.* 1942
California Rehabilitation Center,
Vallejo, Calif.
Meader, C. N., *E.M.* 1912
755 Josephine,
Denver, Colo.
Mealey, J., Jr., r.s. *N.S.* 1960
Indiana Univ. Med. Center,
Indianapolis, Ind.
MEANS, J. H., hon. p. (*E.M.* 1913)
60 Mount Vernon
Means, P. H., *E.M.* 1924
1 Waterhouse, Cambridge
Meath, J. A., r.p. *N.* 1947
1114 St. Paul,
Baltimore, Md.
Meigs, J. Wister, a.r.p. 1943
310 Cedar, New Haven, Conn.
MEIGS, JOE V., *Bd. of Cons.* (*E.S.* 1921)
226 Marlborough
Meister, L., *C.M.* 1937
Vet. Adm. Hosp.,
Long Beach, Calif.
MEKKELSEN, CHRISTINE, exec. a. (*R.N.*) M. G. H.
MELBIN, M., a. soc. sc. (*McL.*)
McLean Hosp., Belmont
Mellinger, G. W., *M.* 1947
490 Post, San Francisco, Calif.
MELTZER, P. E., c. *Otolar.*
285 Commonwealth Ave.
Melvin, W. J. S., a.r.s. *Or.* 1951
Kingston Gen. Hosp.,
Kingston, Ontario, Canada
Mendelsohn, M. L., *M.* 1949
Hosp. of Univ. of Pennsylvania,
Philadelphia, Pa.
MENDELSON, J. H., a. *Psychiat.*
M. G. H.
Merrill, B. R., a.r.p. *Psychiat.* 1941
22 Peninsula Rd., Belvedere, Calif.
MERRILL, O. E., e. *R.* M. G. H.
Metcalf, K. M., r.p. *C.M.* 1925
115 E. 77th, New York, N. Y.
Meyer, H. I., r.s. *W.S.* 1925
104 S. Michigan Ave., Chicago, Ill.
Michel, A. J. D., a.r.p. *An.* 1950
70 rue Parmentier,
Lyon, France
MICHELSEN, J. J., clin. assoc. *N.S.*; a.r.s. *N.S.* 1938 M. G. H.
Michie, A. J., *Path.* 1943; r.s. *U.* 1945
Univ. of Pennsylvania Sch. of Med.,
Philadelphia, Pa.
Michie, Catherine R., *Path.* 1943; r.p. *Path.* 1944
Ivyland, Pa.
Middlebrook, G., *M.* 1945
National Jewish Hosp.,
Denver, Colo.
Milam, D. F., Jr., *S.* 1949; a.r.s. 1952
27 103rd Ave., N.E.,
Bellevue, Wash.
Millard, D. G., r.p. *R.* 1960
Monadnock Community Hosp.,
Peterborough, N. H.
MILLER, A. E., a.r.s. (*S.* 1957)
M. G. H.
MILLER, C. C., clin. assoc. *S.* (*W.S.* 1938)
304 Humphrey, Swampscott
MILLER, D., assoc. s. *Otolar.*
60 Charlesgate West
Miller, E. C., *E.M.* 1926
27 Elm, Worcester
Miller, James G., *E.M.* 1943; r.p. *Psychiat.* 1944

Mental Health Res. Inst., Univ. of Michigan, Ann Arbor, Mich.
Miller, Jule P., Jr., a.r.p. *Psychiat.* 1955 222 South, Pittsfield
Miller, M. L., *E.M.* 1932 Univ. of North Carolina Sch. of Med., Chapel Hill, N. C.
Miller, R. Bretney, a.r.p. 1938 1834 Eye, N. W., Washington, D. C.
Miller, Ralph B., r.p. *R.* 1932 Box 12335, Laurel Heights Station, San Antonio, Tex.
MILLER, W. L., a.r.p. *Path.* M. G. H.
Millet, J. B., *W.S.* 1943; a.r.s. 1948 Mayro Bldg., Utica, N. Y.
Mills, J. A., r.p. 1958 M. G. H.
Mills, L., Jr., *M.* 1944 1136 W. 6th, Los Angeles, Calif.
MINER, L. M. S., hon. s. 363 Marlborough
MINER, R. L., dn.s. 363 Marlborough
Ming, Si Chun, r.p. *Path.* 1956 Beth Israel Hosp.
Mintz, E. R., *Path.* 1930; r.s. *U.* 1932 8 S. State, Concord, N. H.
Mitchel, D. H., *M.* 1943; a.r.p. 1947 915 S. Colorado Blvd., Denver, Colo.
MITCHELL, D. C., a.r.s. *Or.* M. G. H.
Mittel, N. S., r.p. *Psychiat.* (*McL.*) 1959 Boston Univ.-Mass. Memorial Hosp. Med. Center
Mixter, C. G., *W.S.* 1907 319 Longwood Ave.
MIXTER, C. G., Jr., a.s. (*W.S.* 1940); r.s. 1947 319 Longwood Ave.
Mixter, G., Jr., *W.S.* 1943 Flower and Fifth Ave. Hosp., New York, N. Y.
MNAYMNEH, W. A., a.r.s. *Or.* M. G. H.
Moffitt, H. C., Jr., *E.M.* 1942 909 Hyde, San Francisco, Calif.
MOKRASCH, L. C., a. biochem. (*McL.*) McLean Hosp., Belmont
MOLLOY, MAUREEN K., a.r.s. *Or.* M. G. H.
MONACO, A. P., a.r.s. (*S.* 1957) M. G. H.
Moncure, A. C., *S.* M. G. H.
Monroe, J. T., Jr., *M.* 1956 North Carolina Memorial Hosp., Chapel Hill, N. C.
Montgomery, H., *E.M.* 1932 Hosp. of Univ. of Pennsylvania, Philadelphia, Pa.
Montgomery, O. F., *E.S.* 1916 450 Sutter, San Francisco, Calif.
MONTGOMERY, W. W., assoc.s. *Otolar.* and a.c. *Otolar.* Mass. E. & E. Inf.
Moore, B. E., r.p. *Psychiat.* 1942 152 E. 73rd, New York, N. Y.
MOORE, F. D., *Bd. of Cons.* (*W.S.* 1940); r.s. 1943 Peter Bent Brigham Hosp.
Moore, R. F., *M.* 1954 Mass. Mental Health Center
Moore, S. Halcuit, Jr., *C.M.* 1937 4105 Live Oak, Dallas, Tex.
Moore, Sherwood, h.p. *R.* 1917 Barnes Hosp., St. Louis, Mo.
Moorman, H. D., *W.S.* 1943; a.r.s. 1949 635 E. Union, Pasadena, Calif.
Mora, F., *M.* 1951; a.r.s. 1953; r.s. *N.S.* 1957 717 Encino Pl., N. E., Albuquerque, N. M.
Moran, J. E., *N.* 1928 219 Federal, Greenfield
Moran, T. W., Jr., a.r.p. *Path.* 1950 Mellon National Bank Bldg., Latrobe, Pa.
Moreton, J. R., *W.S.* 1944; j.r.s. 1945 Peter Bent Brigham Hosp.
Morgan, C. L., a.r.p. *C.M.* 1960 Children's Med. Center
Morgan, William L., Jr., *M.* 1953; r.p. 1957 Henry Ford Hosp., Detroit, Mich.
MORGAN, WINFIELD S., assoc. path.; r.p. *Path.* 1951 M. G. H.
Morris, H. D., *Or.* 1937 3503 Prytania, New Orleans, La.
Morris, J. McL., *E.S.* 1942; a.r.s. 1947 Yale Univ. Sch. of Med., New Haven, Conn.
Morrison, G. M., *Or.* 1941 77 San Mateo Dr., San Mateo, Calif.
Morrison, H. R., *E.M.* 1936; r.p. *R.* 1939 370 Marlborough
Morrison, R. W., *E.S.* 1943 65 Sunset Parkway, Asheville, N. C.
MORRISSEY, A. M., a.s. *Oph.* 24 Rural Ave., Medford
Morrissey, E. James, *Or.* 1935; r.s. *Or.* 1936 1121 Penn Ave., Wyomissing, Reading, Pa.
MORRISSEY, EUGENE J., a.r.s. *Or.* M. G. H.
Morse, G. W., *E.S.* 1910; h.s. *E.S.* 1912 Brooks Hosp., Brookline
Morton, J. J., h.s. *E.S.* 1916 Strong Memorial Hosp., Rochester, N. Y.

MOSCHELLA, S. L., a. *D.*
887 Commonwealth Ave., Newton Centre
MOSER, H. W., a. *N.;* r.p. *N.* 1959
M. G. H.
MOSHER, H. A., a.s. *Oph.*
266 Beacon
MOSS, A. J., a.r.p. (*M.* 1958)
M. G. H.
Moss, G. S., *S.* M. G. H.
Mote, J. R., *W.M.* 1937
11 E. 68th, New York, N. Y.
Moyer, D. LaR., a.r.p. *Path.* 1955
Univ. of California Sch. of Med.
at Los Angeles, Los Angeles, Calif.
Mudd, S. Harvey, *M.* 1954
National Inst. of Health, Bethesda, Md.
Mudd, Seeley G., *W.M.* 1926
523 W. 6th, Los Angeles, Calif.
Mueller, Barbara C., r.p. *Psychiat.* (*McL.*) 1959 Beth Israel Hosp.
Mueller, E. H. J., r.p. *Psychiat.* 1958; r.p. *Psychiat.* (*McL.*) 1960
McLean Hosp., Belmont
MUELLER, G. C. E., a.r.s. (*S.* 1958)
M. G. H.
MUELLER, H. PETER, clin. assoc. *R.* 39 Tyler Rd., Belmont
Mueller, Harry L., *C.M.* 1935
Children's Med. Center
MUELLER, W., dir. *Otolar. Path.*
Mass. E. & E. Inf.
MUIRHEAD, D. M., Jr., a.r.p. *C.M.* (*C.M.* 1960) M. G. H.
Mulford, E. H., II, a.r.s. *N.S.* 1947
748 Post Rd., Darien, Conn.
Müller, A. F., a.r.p. 1953
Hôpital Cantonal,
Univ. of Geneva,
Geneva, Switzerland
MUNDTH, E. D., a.r.s. (*S.* 1960)
M. G. H.
Munro, Jeannette, *C.M.* 1929
2 Queenston Pl., Princeton, N. J.
Munro, N. D., *E.S.* 1942; r.s. 1944
740 W. Michigan Ave., Jackson, Mich.
Murphy, G. B., Jr., *S.* 1952; a.r.s. 1957
Gundersen Clinic, La Crosse, Wis.
MURPHY, H. J., a. dir. M. G. H.
MURPHY, J. D., a.r.p. *An.* M. G. H.
MURPHY, W. F., attend. psychiat. (*McL.*) 11 Marlborough
Murray, D. B., a.r.p. *Path.* 1956
military service
MURRAY, J. E., clin. assoc. *S.*
Peter Bent Brigham Hosp.
Musgrave, Rhoda U., r.p. *Psychiat.* (*McL.*) 1937 address unknown
Mushatt, C., r.p. *Psychiat.* 1946
270 Commonwealth Ave.
MYERS, G. S., assoc. p. (*W.M.* 1942); c.r.p. 1943 M. G. H.
NADAS, A. S., assoc. p. *C.M.*
Children's Med. Center
NARDI, G. L., assoc. v.s. (*E.S.* 1945); r.s. 1951 M. G. H.
Nathan, L., *Or.* 1930
Vet. Adm., Outpatient Clinic, 17 Court
NEBESAR, R. A., a.r.p. *R.* M. G. H.
Nellhaus, G., *C.M.* 1957; c.r.p. *C.M.* 1959
Columbia-Presbyterian Med. Center, New York, N. Y.
Nelson, C., *E.S.* 1939 490 Post, San Francisco, Calif.
Nelson, R. M., a.r.s. 1954
Salt Lake Clinic, Salt Lake City, Utah
NEMIAH, J. C., psychiat.; a.r.p. *Psychiat.* 1949 M. G. H.
Neptune, E. M., *E.S.* 1928
726 W. Onondaga, Syracuse, N. Y.
NESBURN, BRIGID P., a.r.p. *C.M.* (*C.M.* 1961) M. G. H.
Nesche, G. E., r.p. *W.M.* 1929
2938 McClure, Oakland, Calif.
NEUHAUSER, E. B. D., cons. *R.*
Children's Med. Center
NEUMANN, E. T., admin. M. G. H.
Neville, C. W., Jr., r.p. *Psychiat.* (*McL.*) 1959 military service
NEW, P. F. J., assoc. r. M. G. H.
Newell, James W., *W.S.* 1943; j.r.s. 1944 Medical Plaza, Palo Alto, Calif.
NEWELL, JOHN L., clin. assoc. *Obst.* (*E.S.* 1932) 1101 Beacon, Brookline
Newhall, H. F., *E.S.* 1906 Lynnfield
Newman, E. V., *C.M.* 1941
Vanderbilt Univ. Sch. of Med., Nashville, Tenn.
Newman, H. A., a.r.p. *C.M.* 1960
112 Pomona Ave., Newark, N. J.
Newstedt, J. R., r.s. 1950
108 William Howard Taft Rd., Cincinnati, Ohio
Nicholson, J. T., r.s. *Or.* 1933
419 S. 19th, Philadelphia, Pa.
Nicosia, A. P., a.r.p. *C.M.* 1949
1554 Northern Blvd., Manhasset, Long Island, N. Y.
Nielsen, T. W., *S.* 1949; a.r.s. 1953
60 S. 4th, East, Salt Lake City, Utah

Nilges, R. G., r.s. *N.S.* 1951
2717 Wabash Ave., Gary, Ind.
Noble, C. A., Jr., *E.M.* 1931
384 Post, San Francisco, Calif.
NOBLES, E. R., Jr., a.r.s. (*S.* 1955)
M. G. H.
Norbury, F. B., *M.* 1949
1631 Mound Ave.,
Jacksonville, Ill.
Norcross, J. W., *E.M.* 1937
Lahey Clinic
Normann, N., a.r.p. *An.* 1951
Eastern Pennsylvania Psychiatric Inst.,
Philadelphia, Pa.
NORTON, P. L., v.s. *Or.* (*Or.* 1933);
r.s. *Or.* 1934
Concord Med. Center, Concord
NOSS, G. M., clin. assoc. *Dn.*
31 Bay State Rd.
NYILAS, E., a. physicist *M.*
M. G. H.
OAKLEY, J. C., a.dn.s. (*Dn.* 1959)
507 Main, Worcester
O'Brien, F. W., Jr., a.r.p. *R.* 1951
Cleveland Clinic, 2020 E. 93rd,
Cleveland, Ohio
O'BRIEN, RICHARD G., clin. assoc.
R. 697 Cambridge, Brighton
O'Brien, Robert M., *Or.* 1941
950 Francis Pl., St. Louis, Mo.
O'Brien, W. M., *M.* 1957; a.r.p. 1958
National Inst. of Health,
Bethesda, Md.
O'Connor, D. S., *Or.* 1925
237 Edwards, New Haven, Conn.
O'Connor, H., a.r.s. *Or.* 1953
591 Morton, Dorchester
Odland, G. F., *M.* 1947; r.p. *D.* 1954
509 Olive Way, Seattle, Wash.
OFFENBACH, BERTHA, a. *Oph.*
51 Homer, Newton Centre
Ogden, R. T., *C.M.* 1925
85 Jefferson, Hartford, Conn.
OJEMANN, R. G., r.s. *N.S.*
M. G. H.
OKAMURA, I. D., a.s. *Oph.*
Mass. E. & E. Inf.
O'KEEFE, E. S., hon. p.
31 Broad, Lynn
O'Keeffe, A. F., a.r.s. 1951
648 Canton Ave., Milton
Okun, M. R., a.r.p. *D.* 1960
1683 Beacon, Brookline
Olin, H. S., a.r.p. *Psychiat.* 1959; r.p.
Psychiat. (*McL.*) 1960 M. G. H.
OLIN, M. J., dn. s.
29 Commonwealth Ave.
OLIVE, G. M., Jr., a. *Oph.*
94 Pleasant, Arlington;
270 Commonwealth Ave.
O'Malley, A. F., a.r.s. *U.* 1957
496 South, Hyannis
Omer, J. A., *Or.* 1912
2648 E. 7th, Tucson, Ariz.
Organick, A. B., *M.* 1952; a.r.p. 1953
Navajo Med. Center Sanitarium,
Fort Defiance, Ariz.
Ormandy, L., *Or.* 1943
1532 16th, N.W., Washington,
D.C.
O'ROURKE, H. J., a. podiatrist *Or.*
111 Main, Peabody
Orski, Barbara M., *C.M.* 1955; a.r.p.
C.M. 1956
Kaiser Foundation Hosp.,
Oakland, Calif.
OSBORNE, R. K., r.p. (*M.* 1957)
M. G. H.
Osgood, Herman A., h.p. *R.* 1919
139 Bellevue Ave., Melrose
Osgood, Howard, *E.M.* 1917
187 Linwood Ave., Buffalo, N. Y.
O'SHEA, J. A., clin. assoc. *C.M.*;
a.r.p. *C.M.* 1950 11 William,
Andover
Osius, E. A., *W.M.* 1923
901 David Whitney Bldg.,
Detroit, Mich.
O'Sullivan, Renée B., a.r.p. *C.M.* 1957
Vet. Adm. Hosp.,
130 W. Kingsbridge Rd.,
Bronx, N. Y.
Ottenheimer, E. J., *E.S.* 1924
132 Mansfield Ave.,
Willimantic, Conn.
Ottinger, L. W., *S.* M. G. H.
Owen, W. R., *M.* 1950; r.p. 1952
6410 Fannin,
Houston, Tex.
Owyang, Pauline, *C.M.* 1943
Children's Cancer Research
Foundation, 35 Binney
Packard, G. B., *E.S.* 1916; h.s. *E.S.*
1917 227 16th, Denver, Colo.
Packert, R. C., r.p. *R.* 1958 M. G. H.
PAGE, L. B., a.p. (*M.* 1950); r.p.
1956 M. G. H.
PALMER, R. S., *Bd. of Cons.* (*W.M.*
1927) 330 Dartmouth
Papadopoulos, D. A., r.s. *U.* 1956
4 Dragoumi, Thessalonica, Greece
Papazian, C. E., a.r.p. *C.M.* 1960
Permanente Med. Group,
Fontana, Calif.
Parker, G. D., *Dn.* 1939
4919 E. 38th Ave., Denver, Colo.

Parker, J. S., *W.S.* 1946
3 Seaward Rd., Wellesley Hills
Parkhurst, A. E., *W.M.* 1919
1 Monument Sq., Beverly
PARKHURST, E. C., a. *U.*; r.s. *U.* 1958 M. G. H.
Parnall, E., *Or.* 1932
1 Med. Arts Sq., Albuquerque, N. M.
Parson, W., c.r.p. 1942
Sch. of Med., Univ. of Virginia, Charlottesville, Va.
PARSONS, ANNE, a. soc. anthropol. (*McL.*) McLean Hosp., Belmont
PARSONS, L., *Bd. of Cons.* (*W.S.* 1929) 203 Commonwealth Ave.
PATHAK, M. A., res. assoc. *D.* M. G. H.
Patterson, H. E., a.r.p. *C.M.* 1952
210 S. 11th Ave., Yakima, Wash.
Patterson, Robert L., Jr., *Or.* 1935
166 E. 63rd, New York, N. Y.
Patterson, Russel H., *E.S.* 1919; h.s. *U.* 1920
166 E. 63rd, New York, N. Y.
PATTON, A. S., a.r.s. (*S.* 1959) M. G. H.
Paul, J. R., Jr., *C.M.* 1943
Medical College Hosp., 55 Doughty, Charleston, S. C.
Paul, O., *W.M.* 1943
122 S. Michigan Ave., Chicago, Ill.
PAVLO, I. L., a. *Oph.* 330 Dartmouth
Peabody, C. W., *E.S.* 1917 and *Or.* 1920 25 Riverside Dr., Barrington, R. I.
Peabody, H. D., Jr., *M.* 1945
2001 4th Ave., San Diego, Calif.
PEARL, D. C., Jr., a.r.s. (*S.* 1959) M. G. H.
Pearse, R. L., *E.S.* 1934
604 W. Chapel Hill, Durham, N. C.
Pearson, C. M., a.r.p. *Path.* 1948
Univ. of California Med. Center, Los Angeles, Calif.
Pearson, O. H., *W.M.* 1941; a.r.p. 1942
Western Reserve Univ. Sch. of Med., Cleveland, Ohio
PECHET, M. M., a. *M.*; a.r.p. 1952 M. G. H.
Pederson, D. P., c.r.p. *An.* 1957
650 S. Central Ave., Marshfield, Wis.
PEEBLES, R. R., assoc. psychol. M. G. H.
PEEBLES, T. C., assoc. p. *C.M.* (*C.M.* 1952); c.r.p. *C.M.* 1955
100 Summer, Weston
Peete, W. P. J., *S.* 1948; r.s. 1953
Duke Univ. Med. Center, Durham, N. C.
Peiffer, Geraldine M., a.r.p. *An.* 1957
St. Margaret Hosp., Hammond, Ind.
PENDLETON, M. E., assoc. p. *C.M.* Boston Lying-in Hosp.
Perkins, A., *E.S.* 1925
813 Ogden Canyon, Ogden, Utah
Perkins, J. F., Jr., *W.S.* 1938
Univ. of Chicago, Chicago, Ill.
Perkins, W. A., *E.S.* 1917; h.s. *E.S.* 1919 2490 Channing Way, Berkeley, Calif.
Perley, A. I., r.p. *D.* 1948
2030 11th Ave., South, Birmingham, Ala.
PERLO, V. P., assoc. n. M. G. H.
Perrin, G. M., *C.M.* 1953; a.r.p. *C.M.* 1954 M. G. H.
Perry, J. W., r.p. *Psychiat.* (*McL.*) 1947 2206 Steiner, San Francisco, Calif.
Perry, Jalna A., r.p. *Psychiat.* (*McL.*) 1959 Boston Univ.-Mass. Memorial Hosp. Med. Center
Persons, E. L., *E.M.* 1929; r.p. *E.M.* 1930 Duke Univ. Med. Center, Durham, N. C.
Peters, J. H., *W.M.* 1943
44 E. 23rd, New York, N. Y.
Petersen, J. A., r.p. *R.* 1956
16 Clarke, Lexington
Peterson, E. W., *M.* 1944; a.r.p. 1947
Arneill Clinic, Denver, Colo.
Peterson, Harold O., a.r.p. *R.* 1936
Univ. of Minnesota Hosp., Minneapolis, Minn.
PETERSON, HART deC., a.r.p. *C.M.* M. G. H.
Peterson, Hugo O., *E.M.* 1912
36 Pleasant, Worcester
Petranek, J. R., *M.* 1954; a.r.p. 1955
2 Poplar, Ipswich
PFEFFER, W., Jr., a.p. *C.M.*
3 Seaward Rd., Wellesley
Phelps, W. M., *Or.* 1922 and *Thd. S.* 1923 3038 St. Paul, Baltimore, Md.
Phillips, E. B., II, *C.M.* 1948; a.r.p. *C.M.* 1949
American Child Guidance Foundation, 18 Tremont
Phippen, W. G., *S.S.* 1906
31 Chestnut, Salem

Picard, E. H., a.r.p. *N.* 1957 M. G. H.
PICK, W., clin. assoc. *C.M.;* r.p. *C.M.* 1947 42 Fox, Fitchburg
Pickard, N. S., *Or.* 1940
411 Nichols Rd., Kansas City, Mo.
PIER, A. S., Jr., assoc.p. (*W.M.* 1941); a.r.p. 1942 266 Beacon
Pier, G., *W.S.* 1943
Box 68, Truckee, Calif.
Pierce, F. D., r.p. *W.M.* 1931
619 E. Broward Blvd., Fort Lauderdale, Fla.
PIERCE, IRENE R., c. psychol. (*McL.*)
McLean Hosp., Belmont
PIETRA, G. G., a.r.p. *Path.* M. G. H.
Pike, M. M., *Or.* 1929
85 Jefferson, Hartford, Conn.
Pillsbury, P. L., *W.M.* 1942
3512 Clay, San Francisco, Calif.
Pinckney, M. M., *W.M.* 1932
116 E. Franklin, Richmond, Va.
PIPPITT, R. B., a.s. *Oph.* (*E.M.* 1938 and *Path.* 1939); a.r.p. *N.* 1941
328 Washington, Wellesley Hills
PITTMAN, HELEN S., *Bd. of Cons.* M. G. H.
Pittman, J. A., Jr., *M.* 1953; a.r.p. 1954
Univ. of Alabama Med. Center, Birmingham, Ala.
Pitts, J. D., *S.* 1950; a.r.s. 1956
314 Angell, Providence, R. I.
Placak, J. C., Jr., *W.S.* 1936
10515 Carnegie Ave., Cleveland, Ohio
PLOTKIN, L. H., clin. assoc. *C.M.* (*C.M.* 1955); a.r.p. *C.M.* 1956
38 Chestnut, Springfield
Pohl, J. F., *Or.* 1934
78 S. 9th, Minneapolis, Minn.
POINT, W. W., a.p. M. G. H.
POLAK, A., a.r.p. *Path.* M. G. H.
POLANSKY, S. C., a.dn.s.
60 Washington, Salem
POLLARD, JAMES J., a.r.p. *R.* M. G. H.
Pollard, John T., Jr., r.p. *R.* 1959
81 College Ave., Somerville
POLLEN, A., assoc.s. *Oph.*
636 Beacon
PONTOPPIDAN, H., assoc. an.; c.r.p. *An.* 1958 M. G. H.
POPE, A., n.p. (*McL.*)
McLean Hosp., Belmont
Porter, H., r.p. *N.* 1946
New Eng. Center Hosp.
Porter, P. J., *C.M.* 1957; a.r.p. *C.M.* 1958 3820 Weyburn Dr., Fort Worth, Tex.
PORVAZNIK, J. T., Jr., a.r.s. (*S.* 1959) M. G. H.
Poskanzer, D. C., r.p. *N.* 1959 M.G.H.
POSTEL, S., a. *M.* M. G. H.
POTSAID, M. S., a.r.; r. (*McL.*); r.p. *R.* 1957 M. G. H.
POTTER, M. G., a. *Psychiat.*
1419 Beacon, Brooklin
Potts, J. T., *M.* 1958; a.r.p. 1959
National Inst. of Health, Bethesda, Md.
POULES, RUTH E., exec. a. *B.M.* (*R.N.*) M. G. H.
POULIN, F. K., a.dn.s. (*Dn.* 1942)
196 Marlborough
Powell, S. M., Jr., a.r.p. *C.M.* 1947
3154 Reid Dr., Corpus Christi, Tex.
Prather, G. C., *E.S.* 1925
1180 Beacon, Brookline
Pratt, T. C., *E.S.* 1929
454 Brookline Ave.
PREKUP, J. T., admin. (*McL.*)
McLean Hosp., Belmont
PRENSKY, A. L., a.r.p. *N.* M. G. H.
PRESCOTT, R., a.r.p. (*M.* 1960) M. G. H.
PRICE, S. E., Jr., r.s. *U.* (*S.* 1955); a.r.s. 1958 M. G. H.
Prindle, K. H., *N.* 1926 and *W.S.* 1928 23 Baldwin Ave., San Mateo, Calif.
Probst, J.-H., a.r.p. *C.M* 1957
Rigshospitalet, Copenhagen, Denmark
PRUS, A. M., a.r.p. *An.* M. G. H.
PRYLES, C. V., a.p. *C.M.*
Boston City Hosp.
Putnam, C. R. L., *S.S.* 1895
35 Park Ave., New York, N. Y.
Putnam, H. M., *E.M.* 1937
1025 High, Dedham
Putnam, J. J., *C.M.* 1920
28 School, Foxboro
Putnam, T. J., *E.S.* 1923
450 N. Bedford Dr., Beverly Hills, Calif.
PUTSCHAR, W. G. J., cons. *Path.* M. G. H.
Quan, S. H. Q., *Path.* 1947
Memorial Hosp., 444 E. 68th, New York, N. Y.
QUARTON, G. C., psychiat.; r.p. *N.* 1947; r.p. *Psychiat.* 1949; sr.r.p. *Psychiat.* (*McL.*) 1950 M. G. H.
QUINBY, J. T., a.p. (*E.M.* 1941) M. G. H.
QUINBY, W. C., Jr., a.s.; r.s. 1950 M. G. H.

Quinn, T. J., Jr., r.p. *An.* 1950
2217 Webster, San Francisco, Calif.
RABB, S. R., *Trustee*
393 D, S. Boston
Rabinowitz, M., a.r.p. 1955
Dept. of Med., Univ. of Chicago, Chicago, Ill.
Rabkin, M. T., *M.* 1956; r.p. 1960
M. G. H.
RACKEMANN, F. M., hon. p. (*E.M.* 1914) 266 Beacon
Radcliffe, E. J., *Or.* 1925
67 Butterfield Ter., Amherst
Radebaugh, J. F., Jr., *C.M.* 1954; a.r.p. *C.M.* 1955
26 S. Goodman, Rochester, N. Y
RAE, R. G., dn.s.
129 W. Elm, Brockton
Ragland, S., Jr., *M.* 1951; a.r.p. 1952
3540 Floyd Ave., Richmond, Va.
Ragsdale, L. V., past a. dir.
Union Hosp., Fall River
RAK, I. P., a. *Psychiat.* 422 Beacon
RAKER, J. W., assoc. v.s. (*E.S.* 1942); r.s. 1949 M. G. H.
Ramcharan, Savitri, *C.M.* 1954
Stanford Univ. Sch. of Med., Palo Alto, Calif.
Randall, Raymond V., *M.* 1946
Mayo Clinic, Rochester, Minn.
*Randall, Russell E., Jr., a.r.p. 1956
1605th U.S. Air Force Hosp., A.P.O. 406, c/o Postmaster, New York, N. Y.
Randolph, J. G., a.r.s. 1958
Children's Med. Center
RAPOPORT, R. N., cons. *Soc. Sc.* (*McL.*) McLean Hosp., Belmont
RAPPAPORT, SELMA, a. psychol.
M. G. H.
Rappleye, W. C., *W.M.* 1919
Josiah Macy, Jr. Foundation, 16 W. 46th, New York, N. Y.
Rasmussen, H., *M.* 1953; a.r.p. 1955
Rockefeller Inst. Med. Res., 66th and York Ave., New York, N. Y.
Rasmussen, Jane S., *C.M.* 1954; a.r.p. *C.M.* 1955 50 Rockledge Rd., Hartsdale, N. Y.
Ratcliffe, J. W., *W.S.* 1946
111 St. Matthews Ave., San Mateo, Calif.
Rauh, A. E., *C.M.* 1936 725 S. 2nd, Springfield, Ill.
Ray, L. F., r.p. *D.* 1939
Medical Dental Bldg., Portland, Oreg.

*Not in States and Cities section of this Directory.

REAGAN, D. J., a. *Otolar.*
507 Main, Worcester
Rebello, D. J. A., a.r.p. *D.* 1954
130 Hill Rd., Bandra, Bombay, India
RECORD, E. E., a.s. *Or.* (*N.S.* 1937 and *Or.* 1941) M. G. H.
Reed, C. R., Jr., *Or.* 1936
2520 Line Ave., Shreveport, La.
REED, G. F., assoc. s. *Otolar.*
330 Stuart
Reed, J. M., *S.* M. G. H.
Reeves, J. D., r.p. *R.* 1951
Univ. of Florida Coll. of Med., Gainesville, Fla.
Reeves, R. J., r.p. *R.* 1926
Duke Univ. Med. Center, Durham, N. C.
REGAN, C. D. J., a. *Oph.*
99 W. Cedar
REGGIO, A. W., hon. s. (*W.S.* 1914)
School, Medfield
Register, J. F., *Or.* 1936
1008 Professional Village, Greensboro, N. C.
REID, D. E., *Bd. of Cons.*
221 Longwood Ave.
Reid, Elizabeth Aub, *M.* 1952
51 Brattle, Cambridge
REIDY, J. A., a.s. *Or.* (*Or.* 1939)
3 Seaward Rd., Wellesley Hills
Reilly, W. A., *C.M.* 1928
Vet. Adm. Hosp., San Francisco, Calif.
REITH, H. C., clin. assoc. *Dn.*
370 Commonwealth Ave.
REMENSNYDER, J. P., Jr., a.r.s. (*S.* 1958) M. G. H.
Revercomb, P. H., a.r.p. 1933
1031 Quarrier, Charleston, W. Va.
REYERSBACH, GERTRUD C., assoc. p. *C.M.* (*C.M.* 1943); r.p. *C.M.* 1945 330 Dartmouth
Reynolds, G. S., r.s. *Thd. S.* 1924
100 North, Pittsfield
REYNOLDS, S. L., j.a.r.p. *C.M.*
M. G. H.
Rhinelander, F. W., *E.S.* 1937 and *Or.* 1938
Cleveland Metropolitan Gen. Hosp., Cleveland, Ohio
RHODES, F. I., dn.s.
1352 Beacon, Brookline
Rhodes, J. S., r.s. *U.* 1935
700 W. Morgan, Raleigh, N. C.
Rice, J. O., r.p. *Psychiat.* (*McL.*) 1959
M. G. H.
Richards, D. N., *E.S.* 1912
166 Tunnel Rd., Berkeley, Calif.

Richards, D. N., Jr., *W.S.* 1943; a.r.s. 1948
3031 Telegraph Ave., Berkeley, Calif.
Richards, R. S., r.p. *R.* 1958
Lankenau Hosp., Philadelphia, Pa.
RICHARDSON, EDWARD P., assoc. n. and n.p. (*M.* 1943); r.p. *Psychiat.* 1947 M. G. H.
RICHARDSON, ELLIOT L., *Trustee*
1107 Federal Bldg.
RICHARDSON, G. S., a.s. (*W.S.* 1947); r.s. 1954 M. G. H.
RICHARDSON, J. R., s. *Otolar.*
403 Commonwealth Ave.
Richardson, W. R., *W.S.* 1945; a.r.s. 1950
Children's Memorial Hosp., Oklahoma City, Okla.
RICHIE, R. H., Jr., assoc.p. *C.M.*; a.r.p. *C.M.* 1957 M. G. H.
Riddell, R. V., *E.S.* 1943 and *Path.* 1947 902 Edmond, St. Joseph, Mo.
Riege, D. H., *C.M.* 1947
576 Farmington Ave., Hartford, Conn.
RIEMER, K., a.s. *Oph.*
403 Commonwealth Ave.
Riley, A., *S.S.* 1909
50 Marshal, Brookline
RING, H. G., a. *Oph.*
111 Maple, Springfield
Risley, E. H., *E.S.* 1908
Box 143, Prides Crossing
Risley, T. S., *E.S.* 1942; r.s. 1947
1 Monument Sq., Beverly
Ritchie, A. C., a.r.p. *Path.* 1954
St. Mary's Hosp., Montreal, Canada
ROBBINS, J. B., a.r.p. *C.M.* (*C.M.* 1960) M. G. H.
ROBBINS, L. L., c. *R.*; r.p. *R.* 1941 M. G. H.
Roberts, C. D., a.r.p. 1938
151 E. Palisade Ave., Englewood, N. J.
Robertson, C. W., *Path.* 1942 and *E.S.* 1943; r.s. 1947
203 Commonwealth Ave.
ROBERTSON, J. D., assoc. biophys. (*McL.*) McLean Hosp., Belmont
Robertson, O. H., *W.M.* 1914
Dept. of Biol., Stanford Univ., Stanford, Calif.
ROBEY, J. S., a.p. *C.M.* (*C.M.* 1953); a.r.p. *C.M.* 1956 51 Brattle, Cambridge
Robillard, Francoise Robert, a.r.p. *Path.* 1956 1676 Van Horne Ave., Montreal, Canada
Robillard, R. L., a.r.p. *N.* 1957
1676 Van Horne Ave., Montreal, Canada
Robins, E., a.r.p. *Psychiat.* 1945
Washington Univ. Sch. of Med., St. Louis, Mo.
Robinson, C. M., *W.S.* 1913
Waites Landing, Falmouth, Maine
ROBINSON, D. R., a.r.p. (*M.* 1958); a.r.s. 1959 M. G. H.
Robinson, J. M., r.p. *R.* 1936
2115 Van Ness Ave., San Francisco, Calif.
ROBINSON, M., a. *Otolar.*
206 Waterman, Providence, R. I.
ROBINSON, P. M., a. psychiat. (*McL.*); r.p. *Psychiat.* (*McL.*) 1960
McLean Hosp., Belmont
ROCK, J., hon. s. (*W.S.* 1919)
77 Glen Rd., Brookline
Rockey, E. W., *E.S.* 1914
330 Med. Arts Bldg., Portland, Oreg.
ROCKWOOD, ETHEL M., hon. p.
416 Marlborough
Rodgers, R. S., r.s. *U.* 1947
825 Nicollet Ave., Minneapolis, Minn.
RODKEY, G. V., assoc.v.s. (*W.S.* 1943); r.s. *Or.* 1945; a.r.s. 1950
266 Beacon
Roe, B. B., *W.S.* 1943; r.s. 1950
384 Post, San Francisco, Calif.
Rogers, D. M., *C.M.* 1938
2 Cherry, Wenham
ROGERS, H., *Bd. of Cons.* (*E.S.* 1925)
580 Osgood, N. Andover
Rogers, O. F., *W.M.* 1913; h.p. *E.M.* 1916
140 Ogden, New Haven, Conn.
ROGERS, WILLIAM A., *Bd. of Cons.* (*Or.* 1924) Peacham, Vt.
ROGERS, WILLIAM P., Jr., a.s.; a.s. *Otolar.* Taylor Med. Bldg., Weston
Rolett, E. L., *M.* 1956; r.p. 1960 M. G. H.
RONAT, JUDITH G., r.p. *Psychiat.* (*McL.*) McLean Hosp., Belmont
ROOPENIAN, A., assoc. s. *Otolar.*
475 Commonwealth Ave.
Roots, L. H., *W.S.* 1933
475 Riverside Dr., New York, N. Y.
ROPES, MARIAN W., p.; a.r.p. 1934 M. G. H.
Rosales, Remedios K., r.p. *N.P.* 1952; a.r.p. *Path.* 1954
Univ. of Santo Tomás, Manila, P. I.

Rose, A. S., *E.M.* 1934; r.p. *Psychiat.* (*McL.*) 1934 Univ. of California Med. Center, Los Angeles, Calif.

Rose, J. A., *M.* 1957; a.r.p. 1958 National Inst. of Health, Bethesda, Md.

Rose, P. F., a.r.p. *C.M.* 1959 Southwestern Med. Sch., Univ. of Texas, Dallas, Tex.

Rosen, R. B., *C.M.* 1953; a.r.p. *C.M.* 1954 Children's Hosp. of Michigan, Detroit, Mich.

ROSEN, V. J., Jr., a.r.p. *Path.* M. G. H.

Rosenbaum, M., r.p. *Psychiat.* (*McL.*) 1937; r.p. *Psychiat.* 1939 Albert Einstein Coll. of Med., Bronx, N. Y.

Rosenberg, E. William, r.p. *D.* 1959 Jackson Memorial Hosp., Miami, Fla.

ROSENBERG EARLE H., dn.s. (*Dn.* 1958); r.s. *Dn.* 1960 328 Washington, Wellesley Hills; 29 Commonwealth Ave.

ROSENBERG, I. H., a.r.p. (*M.* 1960) M. G. H.

Rosenkrantz, J. G., *S.* 1954; a.r.s. 1959 Children's Med. Center

Rosenman, L. D., *E.S.* 1943; a.r.s. 1949 2320 Sutter, San Francisco, Calif.

Rosenthal, A. L., a.r.p. *D.* 1956 724 W. State, Trenton, N. J.

ROSENTHAL, M. K., a.r.p. *C.M.* M. G. H.

ROSS, R. A., p. *C.M.* 51 Brattle, Cambridge

Rosser, C., *W.S.* 1918 1719 Pacific Ave., Dallas, Tex.

Roth, J. L. d'A., *M.* 1945 419 S. 19th, Philadelphia, Pa.

Roth, S. I., *Path.* 1957; a.r.p. *Path.* 1958 military service

Rothberg, H. D., Jr., *M.* 1954; r.p. 1959 Seton Hall Coll. of Med., Jersey City, N. J.

Rothfeld, L. J., a.r.p. *An.* 1955 711 Grevillea, Hawthorne, Calif.

ROUNDS, C. E., clin. assoc. *Dn.* (*Dn.* 1947) 403 Commonwealth Ave.

Rovit, R. L., r.s. *N.S.* 1958 Montreal Neurological Inst., Montreal, Canada

ROWE, C. R., a.s. *Or.* (*Or.* 1939) M. G. H.

Rowe, J. C., *M.* 1952; r.p. 1957 490 Post, San Francisco, Calif.

Rowell, H. G., *W.S.* 1921 483 Munroe Ave., N. Tarrytown, N. Y.

Rubinstein, J. H., *C.M.* 1954; a.r.p. *C.M.* 1955 Children's Hosp., Cincinnati, Ohio

RUBOY, J. S., a. *C.M.*; a.r.p. *C.M.* 1960 Concord Med. Center, Concord

RUDY, H. A., a. *U.* 60 Brattle, Cambridge

Ruffin, M. deG., *Path.* 1939; r.p. *Path.* 1940 2015 R, N.W., Washington, D.C.

Rukes, J. M., *M.* 1950; a.r.p. 1952 3905 Sacramento, San Francisco, Calif.

Ruley, H. B., *N.S.* 1939 and *W.S.* 1941; a.r.s. 1942 Med. Arts Bldg., Oak Ridge, Tenn.

RUNGE, P. M., a. *Oph.* 140 Marlborough

Russell, H. N., Jr., *C.M.* 1939 1221 Lincoln, Lincoln Park, Mich.

Russell, P. S., *S.* 1949; r.s. 1956 Columbia Univ. Coll. of Physicians and Surgeons, New York, N. Y.

Russfield, Agnes Burt, *Path.* 1950; a.r.p. *Path.* 1951 Bio-Research Inst., Inc., 9 Commercial, Cambridge

Rutherford, Robert N., *W.S.* 1938 707 Broadway, Seattle, Wash.

Rutherford, Rondall W., *C.M.* 1933 21 Herrick Rd., Newton Centre

Rutledge, R. H., *S.* 1950; r.s. 1957 800 5th Ave., Fort Worth, Tex.

RUTSTEIN, D. D., cons. *Prev. M.* H. M. S.

Rutter, T., *E.S.* 1946; a.r.s. 1949 832 E. Main, Medford, Oreg.

Ryan, J. P., *Dn.* 1953 211 6th, Mechanicville, N. Y.

Ryan, Kenneth J., *M.* 1953; a.r.p. 1954 University Hosp., Cleveland, Ohio

Ryan, Kevin G., *M.* 1960 11 Chiswick Rd., Brighton

Sabin, H. S., r.s. *U.* 1941 4903 Rockwood Parkway, N.W., Washington, D. C.

SACHS, B. J., a. *Oph.* 636 Beacon

Sack, T., r.p. *Psychiat.* (*McL.*) 1958 McLean Hosp., Belmont

Sahay, B. M., a.r.p. *Psychiat.* 1959 Beth Israel Hosp.

Sahler, O. DeP., r.p. *R.* 1942
Mary Imogene Bassett Hosp., Cooperstown, N. Y.
Saidi, F., a.r.s. 1960
Frenchay Hosp., Bristol, Eng.
St. AUBIN, P. M. G., assoc. r. (*M.* 1948); r.p. *R.* 1953 M. G. H.
St. GOAR, W. T., a. *M.* (*M.* 1950); r.p. 1952 262 Beacon
Salamanca, J. J., *An.* 1943
Calle 25A, No. 13A-35, Bogotá, Colombia
SALZMAN, E. W., r.s. (*S.* 1954) M. G. H.
SAMIY, H. E., r.p. M. G. H.
Sampson, D. A., a.r.p. *R.* 1937
Suburban Sq. Bldg., Ardmore, Pa.
Sampson, J. J., *W.M.* 1923
2211 Post, San Francisco, Calif.
Sams, B. J., Jr., r.p. 1958
304 E. Huntingdon, Savannah, Ga.
Sanborn, F., *N.S.* 1939
Barnstable County Hosp., Pocasset
SANCHEZ, G. C., a. *M.* (*M.* 1950); a.r.p. 1951 80 Berkeley, W. Newton; 330 Dartmouth
Sanders, M. B., *E.S.* 1920
8 Marmion Way, Rockport
SANDERS, R. W., c.r.p. *C.M.* (*C.M.* 1959) M. G. H.
Sanderson, S. S., a.r.p. *R.* 1933
740 St. Helens Ave., Tacoma, Wash.
Sandifer, M. G., Jr., *M.* 1948; a.r.p. 1949 Univ. of North Carolina Sch. of Med., Chapel Hill, N. C.
Sandler, A. I., *M.* 1956; r.p. 1958 M. G. H.
Sargent, F. B., *W.S.* 1920
124 Waterman, Providence, R. I.
Sarnoff, S. J., a.r.s. 1947
National Inst. of Health, Bethesda, Md.
SARRIS, S. P., clin. assoc. *S.* (*W.S.* 1939); r.s. 1940
56 Broad, Lynn
Sasahara, A. A., a.r.p. 1957
Vet. Adm. Hosp., W. Roxbury
Saslow, G., r.p. *Psychiat.* 1943
Univ. of Oregon Med. Sch., Portland, Oreg.
SATIN, D. G., r.p. *Psychiat.* (*McL.*); a.r.p. *Psychiat.* 1960
McLean Hosp., Belmont
Saunders, George M., *E.S.* 1928
150 E. 42nd, New York, N. Y.
Saunders, Gordon A., *E.M.* 1937
94 Pleasant, Arlington
Sawyer, C. S., r.p. *D.* 1943
184 Waterman, Providence, R. I.
SCANNELL, J. G., v.s. (*E.S.* 1941); r.s. 1946 M. G. H.
SCATCHARD, G., cons. *Or.*
M.I.T., Cambridge
SCEERY, R. T., assoc. p. *C.M.* (*C.M.* 1951); c.r.p. *C.M.* 1953
109 N. Main, Cohasset
Schaaf, R. S., *W.M.* 1943; r.p. 1948
Prudential Ins. Co. of America, Prudential Plaza, Newark, N. J.
Schapiro, R. H., *M.* 1959; a.r.p. 1960 M. G. H.
SCHATZKI, R., cons. v.r.
1180 Beacon, Brookline
Schatzki, S. C., r.p. *R.* 1960
70 Lincoln, Belmont
Schenk, W. G., Jr., *E.S.* 1946
164 Doncaster Rd., Kenmore, N. Y.
SCHEPENS, C. L., assoc. s. *Oph.*
99 W. Cedar
Schiebler, G. L., *C.M.* 1955; a.r.p. 1956
Univ. of Florida Coll. of Med., Gainesville, Fla.
Schimke, R. T., *M.* 1959; a.r.p. 1960 military service
SCHMID, K., assoc. biochem. *M.* M. G. H.
Schmidt, R. A., a.r.p. *An.* 1959
201 E. Bradley Rd., Milwaukee, Wis.
SCHMITT, F. O., *Trustee*
M. I. T., Cambridge
Schnabel, T. G., Jr., a.r.p. 1947
Philadelphia Gen. Hosp., Philadelphia, Pa.
Schnack, A. G. C., *E.M.* 1917
Box 336, Corona, Calif.
Schneider, B., r.p. *R.* 1947
19 Garfield Pl., Cincinnati, Ohio
Schneider, C. C., *E.S.* 1919
231 W. Wisconsin Ave., Milwaukee, Wis.
Schneiderman, R. N., r.p. *D.* 1958
New York Univ. Postgraduate Med. Sch., 550 1st Ave., New York, N. Y.
SCHNITZER, R. D., a. psychol. (*McL.*) McLean Hosp., Belmont
Schoen, E. J., a.r.p. *C.M.* 1954
Kaiser Foundation Hosp., Oakland, Calif.
Scholl, A. J., *E.S.* 1917
1930 Wilshire Blvd., Los Angeles, Calif.

SCHOLL, MARY L., assoc. p. *C.M.* M. G. H.
Schueler, H. K., r.s. *U.* 1957 Harlan Memorial Hosp., Harlan, Ky.
Schuler, J. D., *C.M.* 1939 Ellijay, Ga.
SCHULZ, M. D., r. M. G. H.
SCHUNTERMANN, P. P.-E., j.a.r.p. *C.M.* M. G. H.
SCHUPACK, M. B., r.p. *Psychiat.* (*McL.*) McLean Hosp., Belmont
Schuster, S. R., a.r.s. 1952 Children's Med. Center
SCHWAB, R. S., n.; r.p. *N.* 1935 M. G. H.
Schwartz, A. B., *C.M.* 1914 Marquette Univ. Sch. of Med., Milwaukee, Wis.
Schwyzer, Marguerite, a.r.p. 1946 2069 Ford Parkway, St. Paul, Minn.
SCOTT, A. W., a. *Oph.* 7 Bay State Rd.
SCOTT, D. H., a.s. *Oph.* 1 Monument Sq., Beverly
SCOTT, J. F., assoc. biophysicist *M.* M. G. H.
Scott, M. W., Jr., *W.S.* 1945 205 15th, N.W., Canton, Ohio
Scott, T., r.p. 1939 200 W. 2nd, Lexington, Ky.
SCULLY, R. E., path. M. G. H.
Seabury, R. B., *W.S.* 1918 58 Trumbull, New Haven, Conn.
SEALE, E. S., assoc. s. *Oph.* 126 Bay State Rd.
SEARS, B. N., a. admin. (*McL.*) McLean Hosp., Belmont
Sears, J. B., *W.S.* 1929 416 Marlborough
Seed, J. C., *M.* 1946 Wellcome Res. Labs., Tuckahoe, N. Y.
Seeley, C. B., r.p. *R.* 1960 106 Elm, Belmont
Seigle, S. P., *E.M.* 1942; a.r.p. 1946 85 Jefferson, Hartford, Conn.
Sell, S., *Path.* M. G. H.
SELTZER, R. A., a.r.p. *R.* M. G. H.
Selverstone, B., r.s. *N.S.* 1947 New Eng. Center Hosp.
Semrad, E. V., r.p. *Psychiat.* (*McL.*) 1938 Mass. Mental Health Center
SENGHAS, R. E., sr.r.s. *Or.* M. G. H.
Senior, B., *C.M.* 1950; a.r.p. *C.M.* 1951 M. G. H.
Shaffer, F. G., *S.* 1952; r.s. *U.* 1955; a.r.s. 1956 1343 Locust Ave., Fairmont, W. Va.
Shaffer, H. A., a.r.p. *R.* 1932 Monongalia Gen. Hosp., Morgantown, W. Va.
SHANGRAW, K. A., a.dn.s. 96 Bay State Rd.
Shannon, E. W., r.s. *N.S.* 1944 930 Hanna Bldg., Cleveland, Ohio
Shannon, James G., *Or.* 1931 1414 Drummond, Montreal, Canada
SHANNON, JAMES M., clin. assoc. *S.* (*S.* 1948); a.r.s. 1954 79 Highland Ave., Salem
Shannon, P. W., *Or.* 1934 1927 1st Ave., North, Birmingham, Ala.
Sharpe, J. D., sr.r.p. *Psychiat.* (*McL.*) 1951 Brattleboro Retreat, Brattleboro, Vt.
SHATTUCK, G. C., cons. *T. Dis.* (*E.M.* 1906) H. M. S.
Shaw, E. B., r.p. *C.M.* 1924 Univ. of California Sch. of Med., San Francisco, Calif.
Shaw, J. L., r.s. *P.H.* 1935 and *U.* 1937 899 Madison Ave., Memphis, Tenn.
SHAW, R. S., assoc. v.s. and a. dir. of *Blood Bank* (*W.S.* 1946); r.s. 1952 M. G. H.
Shea, C. J., *E.S.* 1943 1101 Beacon, Brookline
SHEA, MARJORIE L., cons. for Community Relations M. G. H.
SHEALY, C. N., a.r.s. *N.S.* M. G. H.
Shedden, W. M., *E.S.* 1920; h.s. *U.* 1921 and *W.S.* 1922 Vet. Adm. Hosp., Lake City, Fla.
SHELDON, C. P., clin. assoc. *Obst.* (*E.S.* 1931) 319 Longwood Ave.
Sheldon, D. B., *S.* 1951; a.r.s. 1955 10911 Weyburn Ave., Los Angeles, Calif.
SHELTON, W. R., a. *Psychiat.* 575 Mount Auburn, Cambridge
SHERMAN, GRACE H., exec. a. *B.M.* (*S.N.* 1934) M. G. H.
SHERMAN, L. J., assoc. psychol. (*McL.*) McLean Hosp., Belmont
Ship, I. I., *Dn.* 1957 Univ. of Pennsylvania Sch. of Dn., Philadelphia, Pa.
Shipley, Margaret S., *E.M.* 1943 1109 Sunset Blvd., N. Canton, Ohio
Shipman, T. L., r.s. *P.H.* 1936 Box 1663, Los Alamos, N. M.

Shirley, J. N., *W.S.* 1918
Chestnut, S. Duxbury
SHORE, S., a. *Otolar.*
60 Charlesgate West
Shorey, W. D., *E.S.* 1946; a.r.s. 1950
122 S. Michigan Ave.,
Chicago, Ill.
SHORT, C. L., cons.v.p. (*W.M.* 1930); c.r.p. 1933 264 Beacon
Shugar, J. L., a.r.s. *Or.* 1950
3465 Cote des Neiges Rd.,
Montreal, Canada
Shulman, L. B., *Dn.* M. G. H.
Shurtleff, D. B., *C.M.* 1956; a.r.p. *C.M.* 1957
Univ. of Washington Med. Sch.,
Seattle, Wash.
SHUTER, E. R., a.r.p. *N.* M. G. H.
SIDMAN, R. L., a. *N.;* a.r.p. *N.* 1956
H. M. S.
SIFNEOS, P. E., assoc. psychiat.; r.p. *Psychiat.* (*McL.*) 1950; r.p. *Psychiat.* 1932 M. G. H.
Silverman, A. C., *C.M.* 1917
608 E. Genesee, Syracuse, N. Y.
SILVERMAN, S., attend. psychiat. (*McL.*) 1265 Beacon, Brookline
SIMEONE, F. A., *Bd. of Cons.* (*W.S.* 1936); r.s. 1940
Cleveland Metropolitan Gen. Hosp.,
Cleveland, Ohio
SIMMEL, MARIANNE L., a. psychol. *N.S.* M. G. H.
SIMON, H., r.p. *R.* M. G. H.
Simon, R. L., *Or.* 1932
1012 E. Broward Blvd.,
Fort Lauderdale, Fla.
Sinclair, E. B., r.p. *C.M.* 1940
176 Evergreen, Providence, R. I.
SINESI, S. J., clin. assoc. *D.* M. G. H.
Singh, M. M., *M.* 1952; r.p. 1956
Gandhi Memorial and
Associated Hosp.,
Lucknow, U. P., India
SINGLETON, J. W., r.p. (*M.* 1958) M. G. H.
Siperstein, M. D., a.r.p. 1955
Univ. of Texas Med. Sch.,
Dallas, Tex.
SISCOE, D. L., hon. p. (*E.M.* 1921)
1101 Beacon, Brookline
SISSON, J. H., a. *M.*
203 Commonwealth Ave.
SISSON, W. R., hon. p. (*C.M.* 1912)
203 Commonwealth Ave.
Skinner, A. L., Jr., *C.M.* 1953
Children's Orthopedic Hosp.,
Seattle, Wash.
SKINNER, D. B., a.r.s. (*S.* 1960) M. G. H.
Skinner, J. C., r.p. *Psychiat.* 1948
Boston Univ.-Mass. Memorial
Hosp. Med. Center
SLATER, E. M., a. *An.;* a.r.p. *An.* 1960 M. G. H.
SLEDGE, C. B., a.r.s. *Or.* M. G. H.
SLEEPER, E. L., clin. assoc. *Dn.*
29 Lincoln, Framingham
SLEEPER, RUTH, dir. *S.N. and Nurs. Serv.* (*S.N.* 1922) M. G. H.
SLEMONS, MARION L., a.p. *C.M.*
400 Commercial, Braintree
SLOANE, A. E., assoc. s. *Oph.*
416 Marlborough
Sloane, R. B., r.p. *Psychiat.* 1953
Dept. of Psychiat.,
Queen's Univ., Kingston,
Ontario, Canada
SLOWICK, MARY A., exec. a. *B.M.* (*R.N.*) M. G. H.
SMEDLEY, LOIS M., a. *C.M.*
254 French, Fall River
Smillie, J. W., *E.S.* 1944; j.r.s. 1945
Univ. of Michigan Med. Center,
Ann Arbor, Mich.
SMITH, CLEMENT A., cons. *C.M.*
221 Longwood Ave.
Smith, Curtis E., *W.M.* 1919 and *E.S.* 1921
490 Post, San Francisco, Calif.
Smith, E. T., *Or.* 1937
6410 Fannin,
Houston, Tex.
SMITH, G. G., hon. s. (*W.S.* 1909)
136 Myrtle
Smith, H. W., *Dn.* 1946
100 York, New Haven, Conn.
SMITH, J. A., *Bd. of Cons.*
1180 Beacon, Brookline
SMITH, L. H., Jr., a.p. (*M.* 1949); c.r.p. 1956 M. G. H.
Smith, M. L., a.r.p. *An.* 1951
Mid-State Med. Center,
Nashville, Tenn.
Smith, N. T., a.r.p. *An.* 1960
military service
SMITH, RAPHAEL F., a.r.p. (*M.* 1961) M. G. H.
Smith, Richard H., a.r.p. *Psychiat.* 1958 104 Chestnut
Smith, Richard M., *W.M.* 1909
401 Beacon
Smith, Robert P., *M.* 1943
Vermont Rehabilitation Center,
Burlington, Vt.

SMITH, T. R., a.s. *Oph.* and dir. *Oph. Path.* Mass. E. & E. Inf.
Smith, W. Pierce, r.p. 1956 Henry Ford Hosp., Detroit, Mich.
SMITH, WILLIAM D., hon. p. (*W.M.* 1913) 1731 Beacon, Brookline
SMITH-PETERSEN, M., a. *Or.;* sr. r.s. *Or.* 1952 266 Beacon
SMITHWICK, R. H., *Bd. of Cons.* (*E.S.* 1927); r.s. *W.S.* 1928 203 Commonwealth Ave.
Sneddon, E. A., r.p. *An.* 1954 Boston Univ.-Mass. Memorial Hosp. Med. Center
SNIFFEN, R. C., assoc. v. path.; r.p. *Path.* 1940 Memorial Hosp., 119 Belmont, Worcester; M. G. H.
SNOW, J. C., c. *An.* (*E. & E.*) Mass. E. & E. Inf.
Snyder, J. C., *W.M.* 1939 Harvard Sch. of Public Health
Snyder, Monica H., r.p. *An.* 1935 10883 Whipple, N. Hollywood, Calif.
Snyder, W. H., Jr., *W.S.* 1933; r.s. 1935 1400 N. Vermont Ave., Los Angeles, Calif.
Sober, S., a.r.s. *Or.* 1953 481 Colbourne, London, Ontario, Canada
SOHIER, W. D., Jr., a.p. (*M.* 1947); r.p. 1951 M. G. H.
Soholt, S. T., sr.r.s. *Or.* 1951 139 Arch, Redwood City, Calif.
SOLOMON, H. C., hon. p.; cons. psychiat. (*McL.*) Commonwealth of Mass. Mental Health Dept., 15 Ashburton Pl.
Solomon, J., r.p. *N.* 1944 8820 Wilshire Blvd., Beverly Hills, Calif.
SOLOWAY, A. H., a. chem. *N.S.* M. G. H.
Sosa, D., r.s. *N.S.* 1959 11 Calle 2-37, Zone 1, Guatemala City, Guatemala
SOSKIN, W. F., res. assoc. *Psychol.* (*McL.*) McLean Hosp., Belmont
Sosman, J. L., a.r.p. *R.* 1952 Robert Breck Brigham Hosp.
Soule, A. B., a.r.p. *R.* 1932 Mary Fletcher Hosp., Burlington, Vt.
SOUTTER, L., clin. assoc. *S.;* a.r.s. 1941 Boston Univ. Sch. of Med.
SOWLES, H. K., hon. s. (*W.S.* 1917); h.s. *W.S.* 1918 413 Blackstrap Rd., Falmouth, Maine
Spalding, R., *E.M.* 1902 Longwood Towers, Brookline
SPANGLER, A. S., a. *D.;* r.p. *D.* 1945 1101 Beacon, Brookline
Spangler, P. E., *W.S.* 1925 2747 S. W. Roswell Ave., Portland, Oreg.
Spear, L. M., *E.M.* 1906 483 Beacon
SPEARE, G. S., *Bd. of Cons.* (*W.S.* 1927) 353 Commonwealth Ave.
SPELLMAN, J. W., *Bd. of Cons.* (*Thd. S.* 1924 and *W.S.* 1926) 1101 Beacon, Brookline
Spence, H. M., *W.S.* 1932; r.s. *U.* 1934 4105 Live Oak, Dallas, Tex.
Spencer, J. Robert, *E.M.* 1943 1829 High, Denver, Colo.
Spencer, Jack, r.p. *R.* 1934 31 Deering, Portland, Maine
SPENCER, KATHERINE, res. assoc. *Soc. Anthropol.* (*McL.*) Boston Univ. Sch. of Social Work
Spencer, R. E., a.r.p. *An.* 1951 Moses H. Cone Memorial Hosp., Greensboro, N. C.
Sphire, R. D., a.r.p. *An.* 1955 Grace Hosp., Detroit, Mich.
Splithoff, C. A., *Or.* 1942 3406 Webster, Oakland, Calif.
Sporer, Edita Sternova, *An.* 1942 459 Park Ave., Paterson, N. J.
SPRAGUE, H. B., *Bd. of Cons.* (*E.M.* 1924) 1180 Beacon, Brookline
Squire, Lucy F., a.r.p. *R.* 1944 1 Gracie Ter., New York, N. Y.
SQUIRES, H. J., a. podiatrist *Or.* 145 Tremont
Stall, B. G., III, *M.* 1947; r.p. 1949 Univ. of Tennessee Memorial Res. Center and Hosp., Knoxville, Tenn.
STALVEY, H. D., a. attend. psychiat. (*McL.*) 1419 Beacon, Brookline
STANBURY, J. B., assoc. p. (*W.M.* 1941); c.r.p. 1948 M. G. H
STANTON, A. H., c. psychiat. (*McL.*); psychiat. McLean Hosp., Belmont
Staples, O. S., Jr., *Or.* 1938 Hitchcock Clinic, Hanover, N. H.
Starke, R. D., *M.* 1959; a.r.p. 1960 military service
Starobin, O. E., *M.* 1955; a.r.p. 1956 Memorial Hosp., 119 Belmont, Worcester

Starr, I., *W.M.* 1922
Sch. of Med., Univ. of Pennsylvania, Philadelphia, Pa.
STASON, W. B., a.r.p. (*M.* 1961) M. G. H.
States, J. D., a.r.s. *Or.* 1955
15 Prince, Rochester, N. Y.
STAUFFER, RUTH E., a. *N.*; r.p. *N.* 1949 M. G. H.
Stearns, T., *E.S.* 1913 and *Or.* 1914
736 Haxtun Ave., Orange, N. J.
STEBBINS, H. D., clin. assoc. *M.* (*E.M.* 1933) 342 Essex, Salem
Steel, D., r.p. *R.* 1925
7911 Detroit Ave., Cleveland, Ohio
Steele, B. W., Jr., a.r.s. 1952
Utica Sq. Med. Center, Tulsa, Okla.
Steenburg, D. B., *E.S.* 1915
1107 8th, Aurora, Nebr.
Steenburg, E. K., *E.S.* 1919
4200 Cathedral Ave., N.W., Washington, D. C.
STEMPIEN, J. H., r.s. *Dn.* (*Dn.* 1960) M. G. H.
Stenger, R. J., a.r.p. *Path.* 1958
Cincinnati Gen. Hosp., Cincinnati, Ohio
Stephens, W. A., *Or.* 1943
Pasteur Med. Bldg., St. Louis, Mo.
STEPHENSON, MARY L., a. biochem. *M.* M. G. H.
Stern, N. S., *E.M.* 1917
899 Madison Ave., Memphis, Tenn.
STERNBACH, R. A., a. psychol. M. G. H.
STERNSTEIN, H. J., assoc. s. *Otolar.* 54 Winter, Norwood
Stetson, J. B., a.r.p. *An.* 1953
Children's Med. Center
Stetson, R. P., *W.M.* 1928
Vet. Adm. Area Med. Office, 30 Cornhill
Stevens, Harold W., *C.M.* 1914 and *E.M.* 1916
369 Ferry Rd., Saco, Maine
Stevens, Horace P., *W.S.* 1907
Boothbay Harbor, Maine
Stewart, James M., *M.* 1946
344 West Ave., Rochester, N. Y.
Stewart, John D., *E.S.* 1930; r.s. *W.S.* 1933
Edward J. Meyer Memorial Hosp., Buffalo, N. Y.
Stewart, John E., a.r.s. *Or.* 1947
1012 Summit Ave., Seattle, Wash.
Stewart, S. F., *Or.* 1921
1133 Punchbowl, Honolulu, Hawaii
Stewart, William C., *W.M.* 1934
1205 Quarrier, Charleston, W. Va.
STEWART, WILLIAM G., Jr., a.r.s. (*S.* 1960) M. G. H.
Stiefel, D. M., *Or.* 1923
1553 Woodward Ave., Detroit, Mich.
Stiff, D. W. S., r.p. *R.* 1950
Edward J. Meyer Memorial Hosp., Buffalo, N. Y.
STILES, CLAIRE M., a.r.p. *An.* M. G. H.
STILES, Q. R., a.r.s. (*S.* 1956) M. G. H.
Stinchfield, A. J., a.r.s. *Or.* 1949
16 E. Chestnut, Augusta, Maine
STOCKS, J. F., a.r.p. *C.M.* M. G. H.
Stoddard, J. K., *E.M.* 1917
R.D. 4, Easton, Md.
STOECKLE, J. D., a.p. (*M.* 1949); r.p. 1951 M. G. H.
Stokes, J., Jr., *W.M.* 1921
Children's Hosp., Philadelphia, Pa.
STOKES, J., III, a.p.; r.p. 1954 M. G. H.
Stolman, J. M., *Dn.* 1956
18 Asylum, Hartford, Conn.
Stone, A. A., r.p. *Psychiat.* (*McL.*) 1958 Fitzsimons Gen. Hosp., Denver, Colo.
STONE, BARTLETT H., clin. assoc. *Obst.* 1101 Beacon, Brookline
Stone, Bernard B., r.s. *N.S.* 1955
65 Elm, Worcester
STONE, W., Jr., a.s. *Oph.*
478 Commonwealth Ave.
Stout, H. A., *Path.* 1938; r.p. *Path.* 1939
1200 N. Walker, Oklahoma City, Okla.
Stout, K. L., r.p. *D.* 1935
4418 Vineland Ave., N. Hollywood, Calif.
Stovner, J., a.r.p. *An.* 1953
Fethlitzgt 1, Oslo, Norway
Straehley, C. J., Jr., *W.S.* 1947; a.r.s. 1953 1200 E. Genesee, Syracuse, N. Y.
Strauss, A. E., *E.M.* 1916
3720 Washington Ave., St. Louis, Mo.
STRAUSS, F., admin. a. M. G. H.
STRAUSS, J. S., r.p. *Psychiat.* (*McL.*)
McLean Hosp., Belmont
Strayer, L. M., Jr., *Or.* 1939
144 Golden Hill, Bridgeport, Conn.

STRICKLER, W. L., a.r.s. *U.*; a.r.s. 1958 M. G. H.
STROLE, W. E., Jr., a.r.p. (*M.* 1959) M. G. H.
Strom, J. O., r.p. *N.P.* 1955
150 Lloyd Ave., Providence, R. I.
Stunkard, A. J., *M.* 1946
Hosp. of Univ. of Pennsylvania, Philadelphia, Pa.
Sturdevant, C. L., *Or.* 1939
234 Marlborough
STURGIS, G. P., a.p.
1101 Beacon, Brookline
Sturgis, S. H., *E.S.* 1933
Peter Bent Brigham Hosp.
SUBY, H. I., assoc. v.u.; r.s. *P.H.* 1937 and *U.* 1939 262 Beacon
Sugiyama, T., j.r.s. 1944; r.s. *U.* 1946
Metz Bldg., Grand Rapids, Mich.
Sullivan, E. R., *E.M.* 1936 and *Path.* 1937; r.p. 1941
139 Adams, Milton
SULLIVAN, G. L., s. *Oph.* M. G. H.
Summerall, C. P., III, *M.* 1956; a.r.p. 1957 University Health Service, Tulane Univ. of Louisiana, New Orleans, La.
Surls, J. K., *Or.* 1920 and *E.S.* 1922
130 East End Ave., New York, N. Y.
Sussman, M. L., r.p. *R.* 1930
1130 E. McDowell Rd., Phoenix, Ariz.
Sutherland, D. W., *M.* 1958; r.p. 1960
4 High, Drift, Ky.
Sutherland, G. F., r.p. *Psychiat.* (*McL.*) 1941
Dept. of Mental Hygiene, 2218 N. Charles, Baltimore, Md.
Sutphin, A. K., *W.M.* 1943; a.r.p. 1946 1805 Monument Ave., Richmond, Va.
Suyama, E., *S.* 1951; a.r.s. 1955
Maine Coast Memorial Hosp., Ellsworth, Maine
SVENSON, ESTELLE C., exec. a. *B.M.* (*S.N.* 1922) M. G. H.
Swaim, L. T., *W.S.* 1912
Nutting Rd., Groton
Swan, Channing S., *W.S.* 1925
2 Willow Rd., Weston
Swan, Charles L., Jr., *W.S.* 1929
262 Beacon
SWARTZ, J. H., *Bd. of Cons.*
483 Beacon
SWARTZ, MORRIS, a. *Otolar.*
18 Broad, Lynn
SWARTZ, MORTON N., assoc.p. (*M.* 1948); c.r.p. 1953 M. G. H.
SWEEBE, E. C., a. *Oph.*
Mass. E. & E. Inf.
Sweeny, D. N., Jr., *W.S.* 1941; r.s. 1943 Riverside Clinic, Detroit, Mich.
Sweet, E. B., a.r.s. *Or.* 1954
85 Jefferson, Hartford, Conn.
Sweet, P. L., *Dn.* 1949; a.r.s. *Dn.* 1950
1 Padanaram Rd., Danbury, Conn.
SWEET, RICHARD H., cons. v.s. (*E.S.* 1928); r.s. *E.S.* 1930 87 Chestnut
Sweet, Robert B., a.r.p. *An.* 1950
University Hosp., Ann Arbor, Mich.
SWEET, W. H., c. *N.S.* (*N.S.* 1936); r.s. *N.S.* 1941 M. G. H.
Sweetnam, G. H., *Dn.* 1937
743 High, Dedham
Swineford, O., Jr., *W.M.* 1927
Univ. of Virginia Hosp., Charlottesville, Va.
SWINSON, MILDRED E., a. psychol. (*McL.*) McLean Hosp., Belmont
Sycamore, L. K., a.r.p. *R.* 1929
Hitchcock Clinic, Hanover, N. H.
SZABÓ, G., a. biol. *D.* M. G. H.
Tabor, Celia White, *M.* 1945
3130 Wisconsin Ave., N. W., Washington, D. C.
TAFT, E. B., path. M. G. H.
TAFT, PRISCILLA D., a. path. M. G. H.
Talalay, P., *S.* 1949; a.r.s. 1950
Univ. of Chicago, Chicago, Ill.
Talbert, O. R., r.p. *N.* 1953
Med. Coll. of South Carolina, Charleston, S. C.
TALBOT, F. B., hon. p. (*E.M.* 1907)
24 Cottage Farm Rd., Brookline
TALBOT, N. B., acting c. *C.M.* M. G. H.
Talin, J. J., *Or.* 1943
275 Hoosick, Troy, N. Y.
TALLAND, G. A., assoc. psychol. M. G. H.
Tallon, J. B., a.r.p. *R.* 1953; sr.r.s. *Or.* 1959 57 Roy, Kitchener, Ontario, Canada
Talmadge, S. McN., *W.S.* 1938; r.s. *P.H.* 1939
1010 Prince Ave., Athens, Ga.
T'an, Chung-Chang, *Or.* 1943
Fresno Community Hosp., Fresno, Calif.
Tandon, R., r.p. 1960
Children's Med. Center
TANNER, JAMES W., a.r.p. *R.* M. G. H.

Tanner, Joseph B., sr.r.s. *Or.* 1954
300 Homer Ave., Palo Alto, Calif.

Tannheimer, J. F., r.p. *Path.* 1945; a.r.p. 1948 525 Lafayette, Ionia, Mich.

Tatlock, H., *W.M.* 1940
264 Elm, Northampton

TAYLOR, G. W., *Bd. of Cons.* (*W.S.* 1924); r.s. *E.S.* and *W.S.* 1925
Taylor Med. Bldg., Weston

Taylor, I. M., *M.* 1946; c.r.p. 1951
Univ. of North Carolina Sch. of Med., Chapel Hill, N. C.

TAYLOR, JOHN B., a.dn.s. (*Dn.* 1957) 571 High, Westwood

Taylor, John H., *E.M.* 1917
37 Marlborough

Teel, C. E., *W.S.* 1925
8715 N.E. 3rd Pl., Bellevue, Wash.

TEFFT, R. C., Jr., *Bd. of Cons.*
Box 72, Cleverdale, N. Y.

TEMBY, W. D., a. attend. psychiat. (*McL.*) 51 Brattle, Cambridge; 328 Washington, Wellesley

TENNEY, B., Jr., *Bd. of Cons.* (*W.S.* 1927) Boston City Hosp.

Tenney, Vivian A., a.r.s. *Gyn.* 1943
108 E. 66th, New York, N. Y.

Tetirick, J. E., *S.* 1952; a.r.s. 1956
3051 Northwest Blvd.; 131 S. Grant Ave., Columbus, Ohio

Thacher, H. C., *C.M.* 1942
11 Turner, Auburn, Maine

Thatcher, B. van H., *E.S.* 1945; a.r.s. 1950 1020 S.W. Taylor, Portland, Oreg.

Thaxter, L. T., *E.M.* 1916; a.r.p. *R.* 1928 Cumberland Foreside, Portland, Maine

THEOPOLD, P. H., *Trustee*
294 Washington

Theus, W. W., *Dn.* 1952
1019 Pickens, Columbia, S. C.

THIER, S. O., a.r.p. (*M.* 1961)
M. G. H.

THOMA, K. H., hon. s.
1146 Beacon, Brookline

Thomas, Anne G. T., a.r.p. *Path.* 1956
73 Station Rd., Llanishen, Cardiff, Wales

Thomas, H. M., Jr., *W.M.* 1917
314 Overhill, Baltimore, Md.

THOMAS, JACKSON M., a. *Psychiat.*; r.p. *Psychiat.* (*McL.*) 1933
319 Longwood Ave.

Thomas, John B., *M.* 1953; a.r.p. 1954
124 Jefferson, Hartford, Conn.

Thomas, R. L., *N.S.* 1933 and *E.S.* 1936 2844 Summit, Oakland, Calif.

Thomas, W. A., a.r.p. *Path.* 1951
Albany Med. Coll., Albany, N. Y.

Thompson, J. E., *E.S.* 1943; r.s. *N.S.* 1945; a.r.s. 1948
1008 N. Washington Ave., Dallas, Tex.

Thompson, M. S., *Or.* 1934; r.s. *Or.* 1935 Nix Professional Bldg., San Antonio, Tex.

Thompson, P. P., Jr., *W.M.* 1942; a.r.p. 1946 704 Congress, Portland, Maine

THOMPSON, RICHARD H., clin. assoc. *S.* (*E.S.* 1937); r.s. 1940
79 Highland Ave., Salem

Thompson, S. B., a.r.s. *Or.* 1947
5520 W. Markham, Little Rock, Ark.

Thompson, V. P., *Or.* 1925
11460 Laurelcrest Rd., N. Hollywood, Calif.

Thompson, W. Taliaferro, Jr., a.r.p. 1941 Med. Coll. of Virginia, Richmond, Va.

Thompson, Walter A., r.p. *Psychiat.* (*McL.*) 1931
Pinewood, Katonah, N. Y.

THOMSON, C. P., r.p. *Psychiat.* (*McL.*) McLean Hosp., Belmont

THORNDIKE, A., cons. *S.* (*W.S.* 1923) 15 Holyoke, Cambridge

Thornton, C. E., a.r.p. *Psychiat.* 1958
14 Main, Topsfield

Thorp, E. G., *E.M.* 1931
Malden Hosp., Malden

Thurlbeck, W. M., a.r.p. *Path.* 1958
M. G. H.

TIBBETTS, MARGARET C., dir. *S.N. and Nurs. Serv.* (*McL.*)
McLean Hosp., Belmont

Tileston, W., *E.M.* 1900
Box CC, Carmel Valley, Calif.

TILLEY, R. F., a. d. 1180 Beacon, Brookline

TIMBERLAKE, W. H., assoc. n.; r.p. *N.* 1949 Lemuel Shattuck Hosp., Jamaica Plain; M. G. H.

Timm, A. B., Jr., r.p. *D.* 1956
36 W. Main, Milford, Conn.

TINGEY, W. H., Jr., a.dn. s. (*Dn.* 1959) 363 Marlborough

TISDALE, W. A., a. *M.* (*M.* 1952); r.p. 1956 M. G. H.

Tobin, W. J., *Or.* 1939
1835 Eye, N.W., Washington, D.C.

TOCH, R., a.p. *C.M.*
98 Adams, Milton
Todd, B. P., *W.M.* 1938
1 Monument Sq., Beverly
TODD, D. P., assoc. an.; r.p. *An.* 1947
M. G. H.
Toll, G. D., *S.* 1952; a.r.s. 1957; a.r.p. *Path.* 1959 Colorado Gen. Hosp., Denver, Colo.
TOLL, KAREL van S., a. *N.*
197 Coolidge Hill Rd., Cambridge
TOLMAN, M. M., d. 636 Beacon
TOMCHIK, F. S., a.r.; r.p. *R.* 1955
M. G. H.
Tompkins, D. G., sr.r.s. *Or.* 1958
Gundersen Clinic, La Crosse, Wis.
Tompkins, J. B., r.p. *Psychiat.* (*McL.*) 1937
75 Linden, Brattleboro, Vt.
Toriello, J., r.p. *R.* 1955
4a Calle 6-35, Zone 1, Guatemala City, Guatemala
Tow, P. M., a.r.p. *Psychiat.* 1954
111 Balaam, London E. 13, England
Towery, B. T., r.p. 1946
323 E. Chestnut, Louisville, Ky.
TOWNSEND, J. H., *Bd. of Cons.* (*W.M.* 1923) M.I.T., Cambridge
TRACHTENBERG, H. A., a.r.p. *An.*
M. G. H.
Tracy, R. J., *E.S.* 1943; a.r.s. 1949
53 South, Pittsfield
TRAKAS, J. C., a. *Otolar.*
1269 Beacon, Brookline
Trapp, C. E., r.p. *Psychiat.* (*McL.*) 1937 99 Bay State Rd.
Traver, C. A., *W.S.* 1927
28 Willett, Albany, N. Y.
Traver, R. F., *E.S.* 1930
Vet. Adm. Hosp., Bath, N. Y.
Trethowan, W. H., a.r.p. *Psychiat.* 1951 Univ. of Sydney, Sydney, New South Wales, Australia
Trevett, L. D., a.r.p. 1933; r.p. *N.* 1934 274 Commonwealth Ave.
TRIEGER, N., a. oral s. (*Dn.* 1955); a.r.s. *Dn.* 1956
29 Commonwealth Ave.
Tripp, C. C., *W.S.* 1923
97 Madison, New Bedford
TRISTAN, M. P., a. *C.M.*
12 Boston Post Rd., Sudbury
Troppoli, D. V., *N.* 1927
380 Broadway, Providence, R. I.
TROTTER, R. R., a.s. *Oph.*
Mass. E. & E. Inf.
Trowbridge, E. H., Jr., a.r.p. *N.* 1940
Professional Bldg., Kansas City, Mo.
Troxler, E. R., *Or.* 1942
1005 Professional Village, Greensboro, N. C.
TRUMAN, J. T., a.r.p. *C.M.* (*C.M.* 1961) M. G. H.
TRUMP, J. G., cons. *Physics*
M. I. T., Cambridge
Tucker, J. T., *Or.* 1930
116 E. Franklin, Richmond, Va.
Tucker, R. P., *W.S.* 1939; a.r.s. 1940
1603 Ware Ave., East Point, Ga.
Tucker, W. I., r.p. *Psychiat.* 1944
Lahey Clinic
TUDOR, F., clin. assoc. *M.*
51 Randolph Ave., Milton
Turner, J. D., *M.* 1957; a.r.p. 1958
M. G. H.
Tuttle, E. P., Jr., *M.* 1952; a.r.p. 1953
Emory Univ. Med. Sch., Atlanta, Ga.
Twombly, G. H., *W.S.* 1932
842 Park Ave., New York, N. Y.
Tyson, R. G., a.r.p. *C.M.* 1950
733 Washington Rd., Pittsburgh, Pa.
ULFELDER, H., c. *Gyn.* (*E.S.* 1939); r.s. *E.S.* 1941 M. G. H.
Ulick, S. C., *C.M.* 1952
Memorial Hosp., 444 E. 68th, New York, N. Y.
Ulmer, J. L., r.s. *N.S.* 1942
McGuire Vet. Adm. Hosp., Richmond, Va.
Urist, M. R., sr. r.s. *Or.* 1947
1019 Grayley Ave., Westwood Village, Los Angeles, Calif.
Urmy, T. V., *E.M.*, 1928; r.p. *E.M.* 1930 Williams College, Williamstown
URQUHART, J., III, a.r.s. (*S.* 1960)
M. G. H.
URSCHEL, H. C., Jr., a.r.s. (*S.* 1956)
M. G. H.
Uyeda, C. I., *C.M.* 1950; a.r.p. *C.M.* 1951 2425 Geary Blvd., San Francisco, Calif.
Vagelos, P. R., *M.* 1955; a.r.p. 1956
National Inst. of Health, Bethesda, Md.
van AMERONGEN, SUZANNE T., a. attend. psychiat. (*McL.*)
315 Dartmouth
Van Buskirk, D., *M.* 1958; a.r.p. 1959
Mass. Mental Health Center
Vance, L. A., *Path.* 1937; r.p. *R.* 1939
262 Beacon
Vance, R. G., r.p. *R.* 1924 262 Beacon
VANDERPOL, M., a. psychiat. (*McL.*)
61 Eaton Rd., Needham

Vanderveen, J. L., c.r.p. *An.* 1955
Boston Univ.-Mass. Memorial Hosp. Med. Center
VAN DYKE, WILHELMINA, a.p. *C.M.* (*C.M.* 1942); r.p. *C.M.* 1943
16 Spafford Rd., Milton
Van Eerde, A., a.r.p. *An.* 1955
Paterson Gen. Hosp., Paterson, N. J.
VAN GORDER, G. W., hon. s.
36 Regent, W. Newton
Van Nüys, F., *E.M.* 1907
338 Boston Post Rd., Weston
van Ravenswaay, A. C., *Path.* 1934
708 N. Country Club, Tucson, Ariz.
van Ravenswaay, T., a.r.p. *Path.* 1957
2009 Parkade Blvd., Columbia, Mo.
Varney, H. I., r.p. *Psychiat.* (*McL.*) 1938
5904 Connecticut Ave., Chevy Chase, Md.
Vaughan, R. H., *E.S.* 1944
Physicians Bldg., Columbus, Ga.
Vaughan, V. C., III, *C.M.* 1943
Med. Coll. of Georgia, Augusta, Ga.
Veazey, P. M., *C.M.* 1956; a.r.p. *C.M.* 1957
University Hosp., Cleveland, Ohio
Veldee, M. V., *E.M.* 1920
1855 Bay Laurel Dr., Menlo Park, Calif.
VERHOEFF, F. H., cons. c. *Oph.*
61 Monmouth, Brookline
Vesell, E. S., *C.M.* 1960
Rockefeller Inst. Med. Res., 66th and York Ave., New York, N. Y.
Vial, A. B., *E.S.* 1943
University Hosp., Ann Arbor, Mich.
VICKERY, A. L., Jr., path. M. G. H.
VICTOR, M., n. M. G. H.
VIETS, H. R., hon. p.
Longwood Towers, Brookline
Villee, Dorothy B., *C.M.* 1956
43 Cottage Farm Rd., Brookline
VINCENT, B., hon. s. (*W.S.* 1903)
939 Boylston
Vitt, R. J., a.r.s. *Or.* 1951
793 N. Cherry Ave., Tulare, Calif.
Voke, E. L., j.r.p. *R.* 1931
Ohio Bldg., Akron, Ohio
Volwiler, W., *M.* 1944; r.p. 1945
Univ. of Washington Sch. of Med., Seattle, Wash.
von FELSINGER, J. M., psychol. M. G. H.
von Meysenbug, L., *C.M.* 1917 and *W.M.* 1918
123 New Haven Ave., Melbourne, Fla.
WADDELL, W. R., assoc. v.s. (*W.S.* 1944); r.s. 1951 M. G. H.
WADDINGTON, E. J., dn.s.
6 Haverhill, Andover
WAKSMAN, B. H., assoc. b. *N.* M. G. H.
Waldman, J., a.r.s. *Or.* 1949
1950 Sheridan Rd., Highland Pk., Ill.
Waldmann, Katharine Spreng, *M.* 1955; r.p. 1957
3910 Rickover Rd., Silver Spring, Md.
Waldmann, T. A., *M.* 1956
National Inst. of Health, Bethesda, Md.
Waldron, A. M., *E.M.* 1938; a.r.p. 1939
309 N. Ingalls, Ann Arbor, Mich.
Walke, J. T., a.r.p. *C.M.* 1948
303 Washington Ave., S.W., Roanoke, Va.
Walker, E., past a. dir. Pembroke, Bermuda, British West Indies
Walker, G. M., a.r.s. 1951
Burbank Hosp., Fitchburg
WALKER, J. K., clin. assoc. *Dn.* (*Dn.* 1954)
42 W. Brook, Manchester, N. H.
Walker, R. H., a.r.p. *Path.* 1951; a.r.s. 1953
Med. Arts Bldg., Calgary, Alberta, Canada
Wallace, E. P., a.r.p. *C.M.* 1948
71 Parker Ave., Meriden, Conn.
Wallwork, D. W., *E.S.* 1932
5 3rd, N. Andover
Walser, M., *M.* 1949; a.r.p. 1950
Johns Hopkins Univ. Sch. of Med., Baltimore, Md.
WALTER, M. M., Jr., a. psychiat. (*McL.*); a.r.p. *Psychiat.* 1955; r.p. *Psychiat.* (*McL.*) 1958
McLean Hosp., Belmont
Walton, R. W., *W.S.* 1926
101 Gates Ave., Montclair, N. J.
WALZER, SARITA G., a. *An.* M. G. H.
Wang, Chiu-an, *W.S.* 1944; a.r.s. 1946
20 Des Voeux Rd., Central, Hong Kong, China
WANG, CHIU-CHEN, assoc. r.; r.p. *R.* 1952 M. G. H.
Wang, Shen Kuang, a.r.s. *Or.* 1957
624 Fairmont Ave., Fairmont, W. Va.
Wang, Yang, *M.* 1953; r.p. 1957
Univ. of Minnesota Hosp., Minneapolis, Minn.
Ward, A. J., *E.S.* 1929
39 Elm, Morristown, N. J.
Ward, J. L., *E.M.* 1935
600 Scranton Ave., Lake Bluff, Ill.

Waring, E. S., *E.M.* 1919
Fairfax, Va.

WARNER, F. A., a. *M.*
John Hancock Mut. Life Ins. Co.

Warner, J. H., *W.M.* 1937
Student Health Service,
Oberlin Coll., Oberlin, Ohio

Warren, Charles Fletcher, *W.S.* 1915
490 N. York Rd., Hatboro, Pa.

Warren, Charles Ford, *W.M.* 1933
200 Hicks, Brooklyn, N. Y.

WARREN, R., *Bd. of Cons.* (*W.S.* 1936) Peter Bent Brigham Hosp.

Warren, S. L., *W.M.* 1924
Med. Sch. of Univ. of
California South, Los Angeles, Calif.

WASHBURN, S. L., a. psychiat. (*McL.*); a.r.p. *Psychiat.* 1956; r.p. *Psychiat.* (*McL.*) 1957
McLean Hosp., Belmont

WATKINS, A. L., c. *Phys. M.* and a.p.; a.r.p. *N.* 1938 M. G. H.

Watson, J. Laxton, r.s. *U.* 1930
2571 S.W. 37th Ave., Miami, Fla.

Watson, James W., *M.* 1944
3 Mitchell Pl., New York, N. Y.

WATSON, RICHARD H., assoc. p. *C.M.* (*C.M.* 1952); a.r.p. *C.M.* 1953
8 Porter, Melrose

Watson, Robert F., *W.M.* 1936
New York Hosp., New York, N. Y.

Watts, A. B., *E.S.* 1943
103 E. Holly, Bellingham, Wash.

Watts, J. W., II, *N.* 1928 and *N.S.* 1929 1911 R, N.W.,
Washington, D. C

Waud, Barbara E., a.r.p. *An.* 1959
1490 Banbury Rd., Oxford, England

WEBER, A. L., a. *R.*; r.p. *R.* 1959
M. G. H.

WEBSTER, E. W., physicist *R.*
M. G. H.

WEBSTER, H. de F., a.n. and a.n.p.; r.p. *N.* 1956 M. G. H.

Webster, R. C., *E.S.* 1943; j.r.s. 1944
1101 Beacon, Brookline

Wedrow, E. M., r.p. *Psychiat.* 1953
479 Beacon

WEGNER, K. H., a.r.p. *Path.* (*Path.* 1960) M. G. H.

Weigel, E. W., *Or.* 1928
523 Jersey Ave., Elizabeth, N. J.

Weiler, H. G., *Or.* 1932; r.s. *Or.* 1932
Central Union Bldg.,
Wheeling, W. Va.

WEILLE, F. L., s. *Otolar.*
247 Commonwealth Ave.

Weinberg, A. N., *M.* 1957; a.r.p. 1958 National Inst. of Health,
Bethesda, Md.

WEINBERGER, J. L., assoc. psychiat.
51 Brattle, Cambridge

WEINFELD, M. S., a.r.s. *Or.*
M. G. H.

WEINSTEIN, L., assoc.p. *C.M.*
New Eng. Med. Center

Weir, D. R., r.p. *Path.* 1938
Highland View Hosp.,
Cleveland, Ohio

WEISBERGER, D., c. *Dn.* and oral s.
188 Longwood Ave.

WEISER, A., a. *Otolar.*
390 Pine, Fall River

WEISMAN, A. D., assoc. psychiat.; r.p. *Psychiat.* 1945
80 Woodbine Rd., Belmont

Weiss, L. L., a.r.p. *An.* 1956
1225 N. Madison Ave.,
Anderson, Ind.

WELCH, C. E., v.s. (*E.S.* 1934); r.s. *E.S.* 1937 M. G. H.

WELD, G. S., *Secretary* and *Asst. Treasurer of the Corporation*
45 Milk

Welles, E. S., *E.S.* 1921
20 Church, Saranac Lake, N. Y.

WELLS, L. D., clin. assoc. *Psychiat.*
82 Marlborough

WENER, L., a. *R.* M. G. H.

Wenig, M., *Dn.* 1945
253-02 Northern Blvd., Little
Neck, Long Island, N. Y.

WERMER, H., attend. psychiat. (*McL.*)
McLean Hosp., Belmont

Wescott, H. H., *Or.* 1924
Irvington, Va.

WESSELHOEFT, C., cons. *M.*
315 Marlborough

WEST, F. J., a.s. *Oph.*
195 Ashmont, Dorchester

West, W. W., *S.* 1948; a.r.s. 1954
2420 N. California, Stockton, Calif.

WEYLMAN, W. T., a. *R.*; r.p. *R.* 1960 M. G. H.

Wheeler, B. C., *E.S.* 1926
27 Elm, Worcester

WHEELER, C. GENE, a.r.s. (*S.* 1956)
M. G. H.

Wheeler, Charles A., *N.S.* 1935 and *W.S.* 1938 69 West, Leominster

WHEELER, E. O., assoc. p. M. G. H.

Wheeler, J. T., *M.* 1956
Med. Arts Bldg., Dallas, Tex.

Wheeler, R. R., *W.M.* 1922
5 Bay State Rd.

Wheeler, W. E., *C.M.* 1934
Children's Hosp.,
Columbus, Ohio

WHEELOCK, F. C., Jr., assoc.v.s. (*E.S.* 1943); a.r.s. 1949
1180 Beacon, Brookline

WHISKIN, F. E., a. attend. psychiat. (*McL.*); r.p. *Psychiat.* (*McL.*) 1952; r.p. *Psychiat.* 1954
160 Commonwealth Ave.

WHITE, C. J., hon. p.
259 Marlborough

WHITE, E. M., a. dir. M. G. H.

WHITE, J. C., *Bd. of Cons.* (*W.S.* 1925); r.s. *W.S.* 1927 M. G. H.

White, L. P., *M.* 1950; a.r.p. 1951
Children's Cancer Research Foundation, 35 Binney

WHITE, P. D., hon. p.; cons. cardiol. (*McL.*) (*C.M.* 1911 and *W.M.* 1913); h.p. *W.M.* 1920
264 Beacon

Whitelaw, G. P., *W.S.* 1937
Boston Univ.-Mass. Memorial Hosp. Med. Center

WHITFIELD, T. J., III, a.p. *C.M.* (*C.M.* 1954); c.r.p. *C.M.* 1957
Concord Med. Center, Concord

Whitford, W., *Or.* 1931
80 Sherman Ave., New Haven, Conn.

WHITING, R. G., a.p.
226 Marlborough

Whittemore, J. P., *C.M.* 1946; a.r.p. *C.M.* 1947
1130 S.W. Morrison, Portland, Oreg.

Whittemore, W. S., *S.S.* 1910
987 Memorial Dr., Cambridge

WIEDMAN, M., a. *Oph.*
9 Central, Lowell

Wigglesworth, W. C., *E.S.* 1945
78 County Rd., Ipswich

Wilcox, J. C., *C.M.* 1937
328 N. Indian Hill Blvd., Claremont, Calif.;
146 Nemaha, Pomona, Calif.

Wilcox, R. E., *S.* 1949; a.r.s. 1955
Beckley Memorial Hosp., Beckley, W. Va.

WILDE, H. D., Jr., a.r.s. *Or.* M. G. H.

WILKER, S. R., a. *Otolar.*
285 Commonwealth Ave.

WILKINS, E. W., Jr., assoc. v.s. (*W.S.* 1945); a.r.s. 1951 M. G. H.

Willetts, A. T., a.r.s. *U.* 1942
79 Union Pl., Summit, N. J.

WILLIAMS, A. H., a. *Otolar.*
109 Prichard, Fitchburg

Williams, Charles A., *E.S.* 1920
Box 246, Woodstock, Vt.

WILLIAMS, CONGER, p. (*W.M.* 1940) M. G. H.

Williams, D. W., *W.S.* 1943; r.s. *Or.* 1946; r.s. *U.* 1948
33 Mulberry, Springfield

WILLIAMS, G. M., a.r.s. (*S.* 1958) M. G. H.

WILLIAMS, HAROLD W., Jr., r.p. *Psychiat.* (*McL.*); a.r.p. *Psychiat.* 1961 McLean Hosp., Belmont

WILLIAMS, HIBBARD E., a.r.p. (*M.* 1959) M. G. H.

Williams, O. B., Jr., a.r.p. *An.* 1955
Parkland Memorial Hosp., Dallas, Tex.

Williams, R. C., Jr., *M.* 1955; c.r.p. 1960 Rockefeller Inst. Med. Res., 66th and York Ave., New York, N. Y.

WILLIAMS, V. P., *Bd. of Cons.* (*E.S.* 1931) 330 Dartmouth

Williamson-Lefort, L., *W.M.* 1942
address unknown

WILLS, A. A., Jr., clin. assoc. *M.*
10 P. O. Sq.

Wilson, E. H., Jr., *S.* 1948; a.r.s. 1950 2000 Van Ness Ave., San Francisco, Calif.

Wilson, John C., *Or.* 1917
2010 Wilshire Blvd., Los Angeles, Calif.

Wilson, John C., Jr., *W.S.* 1945; a.r.s. *Or.* 1950
2010 Wilshire Blvd., Los Angeles, Calif.

Wilson, John L., *E.S.* 1940; r.s. 1948
Sch. of Med., American Univ. of Beirut, Beirut, Lebanon

WILSON, P. D., hon. s. (*E.S.* 1914)
535 E. 70th, New York, N. Y.

Wilson, P. D., Jr., *E.S.* 1945; j.r.s. *E.S.* 1946
535 E. 70th, New York, N. Y.

WILSON, R. F., clin. assoc. *C.M.*
113 Locust, Dover, N. H.

WILSON, W. E., sr.r.s. *Or.* M. G. H.

Wimberger, H. C., r.p. *Psychiat.* (*McL.*) 1959 M. G. H.

WINKLER, G. F., r.p. *N.* M. G. H.

Winkler, J. J., a.r.p. *R.* 1928
Austin State Hosp., Austin, Tex.

Winn, W. A., *E.M.* 1934
Springville Hosp., Springville, Calif.

Winsor, A. P., *W.M.* 1919 and *W.S.* 1921 172 Buckminster Rd., Brookline

Wishard, W. N., Jr., *E.S.* 1927 1711 N. Capitol Ave., Indianapolis, Ind.

Wohl, H., a.r.p. 1959 Columbia-Presbyterian Med. Center, New York, N. Y.

WOHL, R. H., a.r.s. (*S.* 1960) M. G. H.

Wolff, C. T., *M.* 1958 National Inst. of Health, Bethesda, Md.

Wolff, J., *M.* 1954 National Inst. of Health, Bethesda, Md.

Wolff, L., *W.M.* 1924 1101 Beacon, Brookline

WOLTERBEEK, J. C., r.p. *Psychiat.* (*McL.*) McLean Hosp., Belmont

Wong, Joyce Kolling, *O.P.D.* r.p. *C.M.* 1960 36 206th, Bayside, Long Island, N. Y.

Woo, Shutai Tinwong, *W.M.* 1920 address unknown

Wood, B. S., *E.S.* 1933 Vet. Adm. Hosp., N. Little Rock, Ark.

Wood, E. C., *M.* 1951 Vet. Adm. Hosp., W. Haven, Conn.

Wood, H. P., *M.* 1948 Lankenau Med. Bldg., Philadelphia, Pa.

Wood, J. Edwin, Jr., *W.M.* 1923; r.p. *E.M.* 1923 Sch. of Med., Univ. of Virginia, Charlottesville, Va.

Wood, James A., *C.M.* 1915 Box 325, Sea Island, Ga.

Wood, W. E., *Dn.* 1940 1832 Connecticut Ave., N. W., Washington, D. C.

Woodbury, H. W., *Dn.* 1948 218 S. Maryland Parkway, Las Vegas, Nev.

WOODRUFF, L. M., a. u. (*E.S.* 1939); r.s. *U.* 1947 1101 Beacon, Brookline

Wooten, Eleanor Herring, a.r.p. *C.M.* 1944 2512 Fairview Rd., Raleigh, N. C.

Worth, T. C., *W.M.* 1938 Rex Hosp., Raleigh, N. C.

Wosnitzer, M., a.r.s. *U.* 1960 military service

WRIGHT, R. L., a.r.s. *N.S.* M. G. H.

WURTMAN, R. J., a.r.p. (*M.* 1961) M. G. H.

Wyman, E. T., Jr., sr.r.s. *Or.* 1960 1110 Beacon, Brookline

WYMAN, S. M., r.; j.r.p. *R.* 1942 575 Mount Auburn, Cambridge; M. G. H.

Wyngaarden, J. B., *M.* 1949; r.p. 1951 Duke Univ. Med. Center, Durham, N. C.

Wynne, L. C., r.p. *Psychiat.* 1951 National Inst. of Health, Bethesda, Md.

Wysham, D. N., *M.* 1954; a.r.p. 1957 Christian Med. Coll., Ludhiana, Punjab, India

Yaffee, H. S., a.r.p. *D.* 1953 60 Brattle, Cambridge

Yanagisawa, K., *Or.* 1944 216 E. 50th, New York, N. Y.

Yankauer, A., *C.M.* 1941 84 Holland Ave., Albany, N. Y.

YATSUHASHI, M., clin. assoc. *S.* (*W.S.* 1945); a.r.s. 1946 Pondville Hosp., Walpole

Yee, L. P. K., *E.M.* 1939 and *W.S.* 1941; a.r.s. 1946 1641 Nuuanu Ave., Honolulu, Hawaii

Yens, O. C., *C.M.* 1930 and *W.M.* 1932 Fort Belvoir, Va.

Youmans, J. B., *E.M.* 1921 U.S. Army Med. Res. and Develop. Command, Main Navy Bldg., Washington, D.C.

Young, C., *E.S.* 1923 1848 Wilson Ave., Salt Lake City, Utah

Young, D. A., *E.M.* 1933; r.p. *Psychiat.* 1936; r.p. *Psychiat.* (*McL.*) 1937 North Carolina Memorial Hosp., Chapel Hill, N. C.; 714 St. Mary's, Raleigh, N. C.

YOUNG, E. L., hon. s. (*W.S.* 1910) 1180 Beacon, Brookline

Young, J. G., *C.M.* 1926 4005 St. Andrews Dr., Dallas, Tex.

Young, R. A., r.p. *Psychiat.* (*McL.*) 1934 Judge Baker Guidance Center, 295 Longwood Ave.

YOUNT, W. J., a.r.p. (*M.* 1961) M. G. H.

Yurchak, P. M., *M.* 1958; a.r.p. 1959 Peter Bent Brigham Hosp.

Zacarian, S. A., r.p. *D.* 1955
130 Maple, Springfield
ZACHARIAS, LEONA, biol. *Oph.*
Mass. E. & E. Inf.
Zacks, S. I., *Path.* 1956; a.r.p. 1958
Pennsylvania Hosp.,
Philadelphia, Pa.
ZAMBON, ENES, exec. a. (*S.N.* 1929) M. G. H.
Zamcheck, N., *Path.* 1943
Boston City Hosp.
ZAMECNIK, P. C. M., p. M. G. H.
Zaoussis, A. L., a.r.s. *Or.* 1954
9 Merlin, Athens, Greece
ZARSKY, E. L., a. attend. psychiat. (*McL.*) 201 Buckminster Rd.,
Brookline
Zartman, H. F., *C.M.* 1954
825 L, Anchorage, Alaska
ZAUDY, ELEONORE C., assoc. p. *C.M.* 1247 Beacon, Brookline
ZELLER, J. W., clin. assoc. *M.* (*W.M.* 1935); r.p. 1938
Tufts Univ. Sch. of Med.
Zervas, N. T., a.r.s. *N.S.* 1960
M. G. H.
ZETZEL, ELIZABETH R., psychiat.; psychiat. (*McL.*) 14 Hubbard Pk.,
Cambridge
Zieper, I., a.r.p. *N.* 1958
military service
ZINBERG, N. E., assoc. attend. psychiat. (*McL.*) Beth Israel Hosp.
ZISKIND, A., a. *C.M.* M. G. H.
Zmyslowski, W. P., a.r.p. *An.* 1959
28 Marion Ave., Worcester
ZONDERMAN, B., assoc. s. *Otolar.*
285 Commonwealth Ave.
ZOVICKIAN, A., a.s. *Otolar.*
270 Commonwealth Ave.
Zuelzer, W. W., *C.M.* 1937
Children's Hosp., Detroit, Mich.
Zuidema, G. D., *S.* 1954; r.s. 1959
University Hosp.,
Ann Arbor, Mich.
Zukowski, H. J., a.r.p. *An.* 1948
Grace Hosp., Detroit, Mich.

Directory of Hospital Staff, Alumni, and past Residents, by States and Cities

ALABAMA

Birmingham
Edwards, W. S.
Hall, H. D.
Kennedy, B. H.
Lyons, C.
Perley, A. I.
Pittman, J. A., Jr.
Shannon, P. W.

ALASKA

Anchorage
Zartman, H. F.

ARIZONA

Fort Defiance
Organick, A. B.

Phoenix
Bendheim, O. L.
Sussman, M. L.

San Manuel
Findlay, F. M.

Tucson
Havemeyer, W. F.
Omer, J. A.
van Ravenswaay, A. C.

ARKANSAS

Little Rock
Diner, W. C.
Thompson, S. B.
Wood, B. S.

CALIFORNIA

Belvedere
Merrill, B. R.

Berkeley
Bennett, C. B.
Cheney, M. C.
Perkins, W. A.
Richards, D. N.
Richards, D. N., Jr.

Beverly Hills
Ilfeld, F. W.
Mathews, S. S.
Putnam, T. J.
Solomon, J.

Blue Lake
Kerr, W. J.

Capistrano Beach
Byrnes, R. L.

Carmel Valley
Tileston, W.

Claremont
Wilcox, J. C.

Corona
Schnack, A. G. C.

Fontana
Papazian, C. E.

Fresno
T'an, C.-C.

Fullerton
Gibson, G. C.

Hawthorne
Rothfeld, L. J.

Kentfield
Manson, E. S.

La Jolla
Kennedy, J. H.

Long Beach
Ellery, S. W.
Meister, L.

Los Angeles
Ayres, S., Jr.
Billig, H. E., Jr.
Boyes, J. H.
Cannon, J. A.
Chaffin, G. L.
Cozen, L.
Craddock, C. G., Jr.
Golden, R.
Langer, G. A.
Lawrence, J. S.
McKeever, F. M.
Mills, L., Jr.
Moyer, D. LaR.
Mudd, S. G.
Pearson, C. M.
Rose, A. S.
Scholl, A. J.
Sheldon, D. B.
Snyder, W. H., Jr.
Urist, M. R.
Warren, S. L.
Wilson, J. C.
Wilson, J. C., Jr.

Menlo Park
Veldee, M. V.

North Hollywood
Snyder, M. H.
Stout, K. L.
Thompson, V. P.

Oakland
Arthur, R. J.
Chapman, C. E.
Croll, D.
Dunn, F.-C.
Ewer, E. G.
Graeser, J. B.
Larkey, J.
Leeper, R. W.
McNie, A. B.
Nesche, G. E.
Orski, B. M.
Schoen, E. J.
Splithoff, C. A.
Thomas, R. L.

Ojai
Atsatt, R. F.

Palo Alto
Bunker, J. P.
Cohn, R. B.
Hawkins, R.
Josse, J. W.
Kantor, M.
Kosek, M. S.
Newell, J. W.
Ramcharan, S.
Tanner, J. B.

Pasadena
Balfour, D. C., Jr.
Cosby, R. S.
Dewey, E. B.
Gentry, R. W.
MacLaren, W. R.
Moorman, H. D.

Pomona
Wilcox, J. C.

Redwood City
Soholt, S. T.

Reedley
Enterline, J. D.

Sacramento
Horn, C. E.

San Diego
Foley, T. M.
Garrity, R. W.
Peabody, H. D., Jr.

San Francisco
Abbott, L. C.
Alston, E. F.
Barnett, C. G.
Bengle, A. L., Jr.
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Bull, E. C.
Cline, J. W., Jr.
Dillon, V. M.
Dresel, R. L.
Finley, K. H.
Freeman, N. E.
Hand, D. W.
Harrison, M. B.
Hartwig, A. R.
Haswell, H. P.
Jackanich, R. F.
Jergesen, F. H.
Levy, S. W.
Makel, H. P.
Mellinger, G. W.
Moffitt, H. C., Jr.
Montgomery, O. F.
Nelson, C.
Noble, C. A., Jr.
Perry, J. W.
Pillsbury, P. L.
Quinn, T. J., Jr.
Reilly, W. A.
Robinson, J. M.
Roe, B. B.
Rosenman, L. D.
Rowe, J. C.
Rukes, J. M.
Sampson, J. J.
Shaw, E. B.
Smith, C. E.
Uyeda, C. I.
Wilson, E. H., Jr.

San Jose
Ahnlund, N. W.
McCort, J. J.

San Mateo
Campbell, C. R.
Hills, O. W.
Key, W. A.
Morrison, G. M.
Prindle, K. H.
Ratcliffe, J. W.

San Rafael
Cecil, L. M.

Santa Barbara
Luikart, R. H., II

Santa Cruz
Blade, W. R.
Fowler, C. B.

Santa Monica
Mason, E. D.

Springville
Winn, W. A.

Stanford
Robertson, O. H.

Stockton
Barth, T. A.
West, W. W.

Truckee
Pier, G.

Tulare
Vitt, R. J.

Vallejo
Mead, S.

Ventura
James, W. J.
Walnut Creek
Liu, C. T.

COLORADO

Colorado Springs
Donald, J. H.
Hoffman, N. D.
Denver
Brewster, H. H.
Brown, R. K.
Campbell, J. L.
Cunningham, T. D.
Elrick, H. E.
Franz, E. M.
Higbee, D. R.
Hughes, H. C.
Jobe, M. C.
Leidholt, J. D.
Lingenfelter, G. P.
McFarland, R. B.
MacMillan, H. A., Jr.
Matchett, F. L.
Meader, C. N.
Middlebrook, G.
Mitchel, D. H.
Packard, G. B.
Parker, G. D.
Peterson, E. W.
Spencer, J. R.
Stone, A. A.
Toll, G. D.
Pueblo
Bower, W. H.

CONNECTICUT

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Flagg, J. A.
Strayer, L. M., Jr.
Canton
Griggs, J. B.
Danbury
Fornshell, R. P.
Sweet, P. L.
Darien
Mulford, E. H., II
Fairfield
Harris, H. P., Jr.
Farmington
Egloff, F. R. L.
Hartford
Bloomberg, W.
Coley, M. S.
Donovan, J. F.
Fairlie, C. W., Jr.
Greene, G. S.
Hamilton, T. S.
Hepburn, R. H.
Johnson, P. R.
Jones, F. S.
Locke, H. L. F.
Lowell, W. H., Jr.
McPherson, S. R.
Mancall, I. T.
Ogden, R. T.
Pike, M. M.
Riege, D. H.
Seigle, S. P.
Stolman, J. M.
Sweet, E. B.
Thomas, J. B.
Manchester
Boyd, H.
Breer, R. D.
Meriden
Wallace, E. P.
Milford
Timm, A. B., Jr.
New Britain
Bosco, H. F.
New Canaan
Hiden, R. B.
New Haven
Aprahamian, H. A.
Blodgett, F. M.
Colwell, H. S.
Ewell, J. W.
Fuldner, R. V.
Gillies, A. J.
Glenn, W. W. L.
Greene, N. M.
Harrison, E. R.
Harrison, T. S.
Harvey, R. B.
Hathaway, J. S.
Johnson, F. G.
Meigs, J. W.
Morris, J. McL.
O'Connor, D. S.
Rogers, O. F.
Seabury, R. B.
Smith, H. W.
Whitford, W.
New London
Jones, W. N.
North Haven
Hunt, S. P.
Norwalk
Gens, J. P.
Norwich
Kettle, R. H.
Sharon
Gevalt, F. C., Jr.
Stamford
Kraut, H. L.
Stratford
Licciardello, A. T.
Waterbury
Cole, C. H.
Harty, J. E.
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Gordon, P. S.
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Willimantic
Ottenheimer, E. J.

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Maroney, J. W.

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Koppel, E. A.
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McCune, W. S.
Miller, R. B.
Ormandy, L.
Ruffin, M. deG.
Sabin, H. S.
Steenburg, E. K.
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Simon, R. L.
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Brewster, W. R., Jr.
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Fort, F. L.
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Lantana
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Melbourne
von Meysenbug, L.
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Justi, R. A.
Rosenberg, E. W.
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Miami Beach
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Vaughan, V. C., III
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Vaughan, R. H.
Decatur
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Tucker, R. P.
Ellijay
Schuler, J. D.
Emory University
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Gainesville
Banks, R., Jr.

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Mathis, W. H., Jr.
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Sea Island
Wood, J. A.

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McGovney, R. B.

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Capps, R. B.
Coolidge, T. B.
Katz, A. M.
Meyer, H. I.
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Rabinowitz, M.
Shorey, W. D.
Talalay, P.
Highland Park
Waldman, J.
Hinsdale
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Ward, J. L.
Lemont
Brues, A. M.
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INDIANA

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Weiss, L. L.
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Hyatt, G. T.
Gary
Nilges, R. G.
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Peiffer, G. M.
Indianapolis
Hamilton, H. B.
Mealey, J., Jr.
Wishard, W. N., Jr.
Richmond
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IOWA

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Gordon, A. M.
Iowa City
Dulin, J. W.
Larson, C. B.
Locksley, H. B.
Oskaloosa
Catterson, L. F.
Waterloo
Bickley, D. W.

KANSAS

Wichita
Knapp, M. R.

KENTUCKY

Drift
Sutherland, D. W.
Harlan
Arrowood, J. G.
Elliot, H. L.
Schueler, H. K.
Lexington
Eiseman, B.
Francis, L.
Halsted, J. A.
Massie, W. K.
Scott, T.
Louisville
Atherton, L. D.
Bate, J. T.
Bornstein, A. M.
Harter, J. S.
Jackson, B. B.
Towery, B. T.
Owensboro
Dodson, L. C.

LOUISIANA

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Hansen, R. H.
Madey, S. L.
New Orleans
Morris, H. D.
Summerall, C. P., III
Shreveport
Ledbetter, B. A.
McIntyre, P. A.
Reed, C. R., Jr.

MAINE

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Thacher, H. C.
Augusta
Stinchfield, A. J.
Bangor
Brown, L.
Clement, J. D., Jr.
Boothbay Harbor
Stevens, H. P.
Brunswick
Macomber, D.
Caribou
Collins, H. D.
Ellsworth
Suyama, E.
Falmouth
Robinson, C. M.
Sowles, H. K.
Friendship
Frost, H. M.
Northeast Harbor
Fitch, R. R.
Portland
Bidwell, R. LeR., II
Burrage, W. C.
Drake, E. H.
Hawkes, R. S.
Hiebert, C. A.
Holt, C. L.
Johnson, O. R.
McDermott, L. J.
Spencer, J.
Thaxter, L. T.
Thompson, P. P., Jr.
Rockland
Heath, P., Jr.
Saco
Stevens, H. W.

MARYLAND

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Ellis, E. O.
Everett, H. C., III
Fang, H. C.-H.
Firminger, H. I.
Fritz, W. F.
Gay, L. N.
Grant, L. H.
Hovsepian, J. A.
Howard, J. E.
Isaacs, J. P.
King, W. B., Jr.
McClellan, B. J.
Meath, J. A.
Phelps, W. M.
Sutherland, G. F.
Thomas, H. M., Jr.
Walser, M.
Bel Air
Kimura, K. K.
Bethesda
Aster, R. H.
Austen, W. G.
Brindley, C. O.
Brown, C. S.
Brown, R. H.
Deykin, D.
Drachman, D. A.
Field, J. B.
Goldberg, A. H.
Goldberg, L. I.
Holtz, A. I.
Laster, L.
McCully, K. S.
Martin, D. B.
Mudd, S. H.
O'Brien, W. M.
Potts, J. T.
Rose, J. A.
Sarnoff, S. J.
Vagelos, P. R.
Waldmann, T. A.
Weinberg, A. N.
Wolff, C. T.
Wolff, J.
Wynne, L. C.
Chevy Chase
Varney, H. I.
Easton
Stoddard, J. K.
Glen Burnie
Claman, H. N.
Hagerstown
Greene, D. C.
Silver Spring
Waldmann, K. S.
Takoma Park
Blunden-Morris, D. E.

MASSACHUSETTS

Amherst
Radcliffe, E. J.
Andover
Holihan, J. P.
O'Shea, J. A.
Waddington, E. J.
Arlington
Benda, C. E.
Burbank, C. B.
Carroll, W. J. E.
Cronin, T. P.
McKeigue, J. E.
Olive, G. M., Jr.
Saunders, G. A.

Attleboro
Hill, L. W.
Auburndale
LeVine, H. O.
Belmont
Aeschliman, B. L.
Altschule, M. D.
Bell, N. W.
Cain, A. J.
Calkins, V. B.
Clark, J. G., Jr.
Coser, R. L.
Eldred, S. H.
Folch-Pi, J.
Gruen, W.
Grunebaum, H. U.
Hallenbeck, D. F., Jr.
Hanflig, S. S.
Hauser, G.
Haycox, J. A.
Hess, H. H.
Howard, P. M.
Kahne, M. J.
Kershaw, B. R.
Langevin, H. J.
LeBaron, F. N.
Lees, M. B.
Melbin, M.
Mokrasch, L. C.
Mueller, E. H. J.
Mueller, H. P.
Parsons, A.
Pierce, I. R.
Pope, A.
Prekup, J. T.
Rapoport, R. N.
Robertson, J. D.
Robinson, P. M.
Sack, T.
Schatzki, S. C.
Schnitzer, R. D.
Sears, B. N.
Seeley, C. B.
Sherman, L. J.
Soskin, W. F.
Stanton, A. H.
Swinson, M. E.
Walter, M. M., Jr.
Washburn, S. L.
Weisman, A. D.
Wermer, H.
Beverly
Alt, R. E.
Fienberg, R.
MacDonald, A. S., Jr.
Parkhurst, A. E.
Risley, T. S.
Scott, D. H.
Todd, B. P.
Boston
Abbott, J. A.
Ackerman, I. P.
Adams, F. D.
Adams, H. D.
Adams, J., Jr.
Adams, R. D.
Agard, E. T.
Aisenberg, A. C.
Albright, F.
Aldridge, N. H.
Allen, D. W.
Allen, H. F.
Allinsmith, W.
Ames, A., III
Anderson, E. E.
Andrew, N. W.
Arnason, B. G. W.
Aronow, S.
Aronson, J. A.
Ash, H. L.
Atkins, L.
Aub, J. C.
Aufranc, O. E.
Austin, R. C.
Ayer, J. B.
Baden, H. P.
Badger, T. L.
Bakay, L.
Baker, D. V., Jr.
Baker, M. P.
Baker, W. H.
Balazs, E. A.
Balboni, G. M.
Balboni, V. G.
Ballantine, H. T., Jr.
Bandler, B.
Banker, B. Q.
Banks, H. H.
Barlow, J. S.
Barnes, B. A.
Barr, J. S.
Barry, H., Jr.
Bartlett, M. K.
Barton, T. C.
Bauer, W.
Beck, W. S.
Beecher, H. K.
Beetham, W. P.
Behringer, G. E.
Bell, E.
Bell, G. O.
Bellinger, M. J.
Bendixen, H. H.
Benedict, E. B.
Benedict, P. H.
Berenberg, W.
Bernstein, N. R.
Bertles, J. F.
Bigelow, F. S.
Binger, C. A. L.
Bird, K. T.
Bland, E. F.
Blane, H. T.
Blank, I. H.
Boruchoff, S. A.
Brady, F. W.
Bragg, R. L.
Bratt, H. A.
Brendler, S. J.
Brendze, R. B.
Briefer, C., Jr.
Brockhurst, R. J.
Broderick, T. F., Jr.
Brown, T.
Brownell, G. L.
Brownsberger, C. N.
Bucher, N. L. R.
Burbank, C. B.
Burke, J. F.
Burnett, F. L.
Burrage, W. S.
Burwell, C. S.
Bush, R. D.
Butler, W. T.
Byers, R. K.
Cable, R.
Calkins, E.
Calnan, A. F.
Caner, G. C.
Cannon, B.
Caplan, G.
Caplan, L. M.
Carnes, H. A.
Carney, H. J.
Carter, E. L.
Carter, G. H.
Casten, V. G.
Castle, W. B.
Castleman, B.
Catinella, P. J.
Caulfield, J. B.
Cavanaugh, T.
Cave, E. F.
Chafetz, M. E.
Chapman, E. M.
Chisholm, J. F., Jr.
Christman, G.
Churchill, E. D.
Chute, R.
Clark, D. A.
Clarke, B. G.
Clay, C. L.
Clifford, S. H.
Clough, J. M.
Cobb, S.
Cochran, W. D.
Cogan, D. G.
Cohen, J.
Cohen, M. E.
Cohen, R. B.
Colby, F. H.
Cole, E. M.
Cole, M.
Coles, M. R.
Collins, G. H.
Comb, D. G.
Constable, J. D.
Cook, C. D.
Coons, A. H.
Cope, O.
Covitz, E. E.
Crawford, J. D.
Crone, N. L.
Cronkhite, L. W., Jr.
Culver, P. J.
Cummer, F. H., Jr.
Currens, J. H.
Curtin, R. R.
Curwen, W. L.
Daland, E. M.
Dalrymple, W.
Dalton, J. C.
Damon, A.
d' Autremont, C. C.
Davidson, G. E.
Davies, J. A. V.
DeBlois, E.
Decker, B. L.
Degen, J. W.
DeGroot, L. J.
DeLorme, T. L.
d'Elseaux, F. C.
de Mola, L. L.
Dempsey, P. A.
De Sanctis, R. W.
DeWilde, H.
Diamond, L. K.
Dickson, W. A.
Dienes, L.
Dillon, H. T., Jr.
Dodge, P. R.
Donaldson, D. D.
Donaldson, G. A.
Dreyfus, P. M.
Dreyfuss, J. R.
Drooker, J. C.
Dudley, H. R., Jr.
Dunphy, E. B.
Dwight, R. W.
Edsall, R. W.

Eldredge, J. H.
Ellett, W. H.
Ellis, D. S.
Ellis, L. B.
Emerson, K.
Endee, C. H.
Engel, L. L.
England, A. C., Jr.
Ervin, F. R.
Farmer, D. A.
Fawcett, D. W.
Faxon, H. H.
Fay, J. H.
Federman, D. D.
Fernandez-Moran, H. A. V.
Ferris, B. G.
Field, R. A.
Finck, A. J.
Fine, J.
Finesinger, A. L.
Finlayson, N. B.
Fish, J. E.
Fisher, C. M.
FitzHugh, G.
Fitzpatrick, T. B.
Flax, M. H.
Flynn, R. E.
Follensby, E. M.
Forbes, A. P.
Ford, R.
Foster, G. S.
Frazier, H. S.
Freedberg, I. M.
Freedman, H. J.
Freinkel, R. K.
Fremont-Smith, M.
Fried, M. A.
Friedlich, A. L.
Fromer, J. L.
Futterman, S.
Gabuzda, T. G.
Ganz, R. N.
Gardella, J. W.
Gardner, G. E.
Garland, J.
Garrett, J. W. D.
Gaston, L. W.
Gauthier, J.
Gephart, F. T.
Gergely, J.
Ginandes, S. C.
Glicklich, E. A.
Glimcher, M. J.
Glotzer, D. J.
Gohd, R. S.
Gordon, J. E.
Graham, J. R.
Grant, W. M.
Green, T. H., Jr.
Greene, J. E.
Griesemer, R. D.
Griffey, L. E.
Grillo, H. C.
Gross, J.
Grossman, M. S.
Grove-Rasmussen, M.
Grover, J. W.
Guardo, J. L.
Gundersen, T.
Guralnick, W. C.
Hackett, T. P.
Hacking, P. M.
Haessler, H. A.
Haggart, G. E.
Haggerty, R. J.
Hall, T. C.
Hall, V. R.
Hallowell, P.
Hamlin, E., Jr.
Harper, R. S.
Harris, W. H.
Harwood, R.
Hatch, F. T.
Hawes, L. E.
Hayden, E. P.
Head, J. M.
Hendren, W. H., III
Hendrick, I.
Hermann, H. T.
Hill, J. M.
Hill, L. W.
Hill, W. R.
Hirsch, O.
Holder, R.
Holmes, E. M.
Howe, H. D.
Howe, L. P.
Huber, W. M.
Hugenberger, P. W.
Huggins, C. E.
Humphreys, S. P.
Huntington, B. L.
Hurley, P. D.
Hurwitz, J. J.
Hurxthal, L. M.
Ingersoll, F. M.
Irwin, J. W.
Isselbacher, K. J.
Jackson, L.
Jacobson, B. M.
Jakus, M. A.
Jeanloz, R. W.
Johnson, C. C.
Johnson, R. T.
Jones, C. M.
Jones, H. W., Jr.
Jones, K. E.
Jones, R. H.
Jones, W. A.
Jones, W. N.
Joseph, A. T.
Joslin, E. P.
Kalckar, B. W.
Kalckar, H. M.
Kane, L. W.
Kaplan, S.
Karian, E.
Karnes, W. E.
Katz, S. L.
Kazanjian, K. A.
Kazanjian, V. H.
Keenan, T. J.
Kelemen, G.
Keller, J. W.
Kelley, R. M.
Kelley, S. B.
Kelley, V. J.
Kelly, J. F.
Kent, C.
Kerr, W. S., Jr.
Kinoshita, J. H.
Kinsey, D.
Kite, O. W.
Kjellberg, R. N.
Klein, E.
Klotz, R. E.
Knapp, P. H.
Knowles, J. H.
Koch-Weser, J.
Korn, D.
Kozol, H. L.
Krane, S. M.
Kranes, A.
Kravitz, A. R.
Krayer, O.
Kubik, C. S.
Kubzansky, P. E.
Kuhns, J. G.
Kulka, J. P.
Kunz, L. J.
Kupfer, C.
Kuwabara, T.
Lamdin, S. J.
Lamont, J. H.
Laver, M. B.
Lawrence, G. W.
Leadbetter, G. W., Jr.
Leadbetter, W. F.
Leaf, A.
Lee, R. I.
Leeman, C. P.
Leiderman, P. H.
Lele, P. P.
Lentine, J.
Lerman, J.
Leskowitz, S.
Levene, M. B.
Lever, W. F.
Levine, H. J.
Levitan, J. J.
Lewis, D. K.
Liebman, S. D.
Lincoln, R. C.
Lindemann, E.
Littlefield, J. W.
Littmann, D.
Lloyd, J. B.
Loftfield, R. B.
Lombroso, C. T.
Lorenz, M.
Lotz, M.
Lowell, F. C.
Lowell, J. D.
Lowis, S.
Ludwig, A. O.
Lund, C. C.
Luongo, M. A.
Lurie, M. H.
Mabrey, R. E.
McAlpine, F. S.
McArthur, J. W.
MacAusland, A. R.
MacAusland, W. R., Jr.
McDermott, W. V., Jr.
McGinn, S.
McGinty, J. B.
McGovern, J. J. M.
McKeigue, J. E.
McMahon, A. W.
Macmillan, A. S., Jr.
Macnamara, T. E.
McNeely, W. F.
McNeill, J. M.
Madden, E. J.
Maloof, F.
Mangiaracine, A. B.
Mann, W.
Marble, A.
Marble, H. C.
Marcus, S. M.
Marfey, S. P.
Mark, V. H.
Martin, S. F.
Mattos, E. R.
Mayer, R. F.
Maynard, E. P., III
Mayo, R. A.
Means, J. H.
Meigs, J. V.
Meltzer, P. E.

Mendelson, J. H.
Merrill, O. E.
Michelsen, J. J.
Miller, D.
Mills, J. A.
Miner, L. M. S.
Miner, R. L.
Ming, S. C.
Mittel, N. S.
Mixter, C. G.
Mixter, C. G., Jr.
Montgomery, W. W.
Moore, F. D.
Moore, R. F.
Moreton, J. R.
Morgan, C. L.
Morgan, W. S.
Morrison, H. R.
Moser, H. R.
Mosher, H. W.
Mueller, B. C.
Mueller, H. L.
Mueller, W.
Murphy, H. J.
Murphy, W. F.
Murray, J. E.
Mushatt, C.
Myers, G. S.
Nadas, A. S.
Nardi, G. L.
Nathan, L.
Nemiah, J. C.
Neuhauser, E. B. D.
Neumann, E. T.
New, P. F. J.
Norcross, J. W.
Noss, G. M.
Nyilas, E.
O'Brien, R. G.
O'Connor, H.
Okamura, I. D.
Olin, H. S.
Olin, M. J.
Olive, G. M., Jr.
Owyang, P.
Packert, R. C.
Page, L. B.
Palmer, R. S.
Parkhurst, E. C.
Parsons, L.
Pathak, M. A.
Pavlo, I. L.
Pechet, M. M.
Peebles, R. R.
Pendleton, M. E.
Perlo, V. P.
Perrin, G. M.
Perry, J. A.
Phillips, E. B., II
Picard, E. H.
Pier, A. S., Jr.
Pittman, H. S.
Point, W. W.
Pollen, A.
Pontoppidan, H.
Porter, H.
Poskanzer, D. C.
Postel, S.
Potsaid, M. S.
Poulin, F. K.
Pratt, T. C.
Pryles, C. V.
Putschar, W. G. J.
Quarton, G. C.
Quinby, J. T.
Quinby, W. C., Jr.
Rabkin, M. T.
Rackemann, F. M.
Rak, I. P.
Raker, J. W.
Randolph, J. G.
Rappaport, S.
Record, E. E.
Reed, G. F.
Regan, C. D. J.
Reid, D. E.
Reith, H. C.
Reyersbach, G. C.
Rice, J. O.
Richardson, E. P.
Richardson, G. S.
Richardson, J. R.
Richie, R. H., Jr.
Riemer, K.
Robbins, L. L.
Robertson, C. W.
Rockwood, E. M.
Rodkey, G. V.
Rolett, E. L.
Roopenian, A.
Ropes, M. W.
Rosenberg, E. H.
Rosenkrantz, J. G.
Rounds, C. E.
Rowe, C. R.
Runge, P. M.
Rutstein, D. D.
Ryan, K. G.
Sachs, B. J.
Sahay, B. M.
St. Aubin, P. M. G.
St. Goar, W. T.
Sanchez, G. C.
Sandler, A. I.
Sasahara, A. A.
Scannell, J. G.
Schapiro, R. H.
Schepens, C. L.
Schmid, K.
Scholl, M. L.
Schulz, M. D.
Schuster, S. R.
Schwab, R. S.
Scott, A. W.
Scott, J. F.
Scully, R. E.
Seale, E. S.
Sears, J. B.
Selverstone, B.
Semrad, E. V.
Senior, B.
Shangraw, K. A.
Shattuck, G. C.
Shaw, R. S.
Sheldon, C. P.
Shore, S.
Short, C. L.
Sidman, R. L.
Sifneos, P. E.
Simmel, M. L.
Sinesi, S. J.
Sisson, J. H.
Sisson, W. R.
Skinner, J. C.
Slater, E. M.
Sloane, A. E.
Smith, C. A.
Smith, G. G.
Smith, L. H., Jr.
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Smith, R. M.
Smith, T. R.
Smith-Petersen, M.
Smithwick, R. H.
Sneddon, E. A.
Sniffen, R. C.
Snow, J. C.
Snyder, J. C.
Sohier, W. D., Jr.
Solomon, H. C.
Soloway, A. H.
Sosman, J. L.
Soutter, L.
Spear, L. M.
Speare, G. S.
Spencer, K.
Squires, H. J.
Stanbury, J. B.
Stauffer, R. E.
Stephenson, M. L.
Sternbach, R. A.
Stetson, J. B.
Stetson, R. P.
Stoeckle, J. D.
Stokes, J., III
Stone, W., Jr.
Sturdevant, C. L.
Sturgis, S. H.
Suby, H. I.
Sullivan, G. L.
Swan, C. L., Jr.
Swartz, J. H.
Swartz, M. N.
Sweebe, E. C.
Sweet, R. H.
Sweet, W. H.
Szabó, G.
Taft, E. B.
Taft, P. D.
Talbot, N. B.
Talland, G. A.
Tandon, R.
Taylor, J. H.
Tenney, B., Jr.
Thomas, J. M.
Thurlbeck, W. M.
Timberlake, W. H.
Tingey, W. H., Jr.
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Todd, D. P.
Tolman, M. M.
Tomchik, F. S.
Trapp, C. E.
Trevett, L. D.
Trieger, N.
Trotter, R. R.
Tucker, W. I.
Turner, J. D.
Ulfelder, H.
van Amerongen, S. T.
Van Buskirk, D.
Vance, L. A.
Vance, R. G.
Vanderveen, J. L.
Vickery, A. L., Jr.
Victor, M.
Vincent, B.
von Felsinger, J. M.
Waddell, W. R.
Waksman, B. H.
Walzer, S. G.
Wang, C.
Warner, F. A.
Warren, R.
Watkins, A. L.
Weber, A. L.
Webster, E. W.
Webster, H. de F.
Wedrow, E. M.
Weille, F. L.
Weinstein, L.

Weisberger, D.
Welch, C. E.
Wells, L. D.
Wener, L.
Wesselhoeft, C.
West, F. J.
Weylman, W. T.
Wheeler, E. O.
Wheeler, R. R.
Whiskin, F. E.
White, C. J.
White, E. M.
White, J. C.
White, L. P.
White, P. D.
Whitelaw, G. P.
Whiting, R. G.
Wilker, S. R.
Wilkins, E. W., Jr.
Williams, C.
Williams, V. P.
Wills, A. A., Jr.
Wimberger, H. C.
Wyman, S. M.
Young, R. A.
Yurchak, P. M.
Zacharias, L.
Zamcheck, N.
Zamecnik, P. C. M.
Zeller, J. W.
Zervas, N. T.
Zinberg, N. E.
Ziskind, A.
Zonderman, B.
Zovickian, A.

Braintree
Slemons, M. L.

Brockton
Chase, J. S.
Dickersin, G. R.
Duncombe, A. L.
Foss, M. W.
Rae, R. G.

Brookline
Alpert, D. R.
Balch, F. G., Jr.
Barker, R. H.
Barnum, F. G., Jr.
Beuscher, R. B.
Boutwell, H. K.
Braconier, H. E.
Brailey, A. G.
Burgin, L. B.
Cass, J. W., Jr.
Chalpin, G.
Cline, H. S.
Cohen, A.
Crabtree, H. H.
Darling, R. C.
Derow, H. A.
Dyer, E. C.
Easton, M. T.
Engelbach, A. G.
Fay, G. F.
Franseen, C. C.
Frazee, J. R.
Gauld, A. G.
Godley, A. F.
Goethals, T. R.
Goldthwait, J. C.
Gregg, W. I.
Hall, F. C.
Helman, M. E.
Hodgson, J. S.
Holland, D. J., Jr.
Homans, J., Jr.
Hormell, R. S.
Joplin, R. J.
Kayce, M. M.
King, H. S.
Kirkwood, S. B.
Kornfeld, W.
Linenthal, A. J.
Linton, R. R.
McKittrick, J. B.
McKittrick, L. S.
Magraw, C. E.
Morse, G. W.
Newell, J. L.
Okun, M. R.
Potter, M. G.
Prather, G. C.
Rhodes, F. I.
Riley, A.
Rock, J.
Schatzki, R.
Shea, C. J.
Silverman, S.
Siscoe, D. L.
Smith, J. A.
Smith, W. D.
Spalding, R.
Spangler, A. S.
Spellman, J. W.
Sprague, H. B.
Stalvey, H. D.
Stone, B. H.
Sturgis, G. P.
Talbot, F. B.
Thoma, K. H.
Tilley, R. F.
Trakas, J. C.
Verhoeff, F. H.
Viets, H. R.
Villee, D. B.
Webster, R. C.
Wheelock, F. C., Jr.
Winsor, A. P.
Wolff, L.
Woodruff, L. M.
Wyman, E. T., Jr.
Young, E. L.
Zarsky, E. L.
Zaudy, E. C.

Bryantville
Angley, J. C.

Cambridge
Binstock, W. A.
Bock, A. V.
Brazelton, T. B.
Caplan, G.
Carter, F.
Christ, J.
Clower, V. L.
Cohen, M.
Coolidge, J. C.
Dawes, D. C.
de Marneffe, F. L. A.
Deutsch, H.
Dexter, C. J.
Evans, R. D.
Farnsworth, D. L.
Faulkner, J. M.
Floyd, C.
Forbes, A.
Frank, T.
Gates, P. H.
Hansen, R. J.
Hardy, H. L.
Herzan, H. M.
Hodge, A. J.
Hubbard, E., Jr.
Judd, A. B.
Kennedy, D. A.
Lansky, L. M.
Lifton, R. J.
Matz, M. H.
Means, P. H.
Reid, E. A.
Robey, J. S.
Ross, R. A.
Rudy, H. A.
Russfield, A. B.
Scatchard, G.
Shelton, W. R.
Temby, W. D.
Thorndike, A.
Toll, K. van S.
Townsend, J. H.
Trump, J. G.
Weinberger, J. L.
Whittemore, W. S.
Wyman, S. M.
Yaffee, H. S.
Zetzel, E. R.

Chestnut Hill
Brigham, F. G.
Buckley, F. M.
Daniels, E. M.
Daniels, H. S.

Cohasset
Beaman, G. B.
Howe, H. F.
Sceery, R. T.

Concord
Austin, R. C.
Fay, G. F.
Hitchcock, J.
Keevil, C. S., Jr.
Keuper, C. S.
McDonald, F. C.
Norton, P. L.
Ruboy, J. S.
Whitfield, T. J., III

Danvers
Essember, L. J.
Fearer, N. H.

Danversport
Breed, F. B.

Dedham
Chapman, R. B.
Putnam, H. M.
Sweetnam, G. H.

Duxbury
Fowler, D. M.

Everett
McLaughlin, C. H.

Fall River
Atwood, W. G.
Hawes, C. H.
Hill, N. P.
Mason, W.
Ragsdale, L. V.
Smedley, L. M.
Weiser, A.

Falmouth
Bixby, H. I.

Fitchburg
McPeak, C. N.
Pick, W.
Walker, G. M.
Williams, A. H.

Foxboro
Putnam, J. J.

Framingham
Albert, J.
Folsom, H. F.
Golden, T. S.

Hirsch, L. S.
Sleeper, E. L.

Greenfield
Buchanan, W. R., Jr.
McClelland, W. K.
Moran, J. E.

Groton
Swaim, L. T.

Hadley
Huntington, J. L.

Harvard
Brown, L. T.

Hingham
Eldredge, L. L., Jr.
Emerson, G. F.
Howland, J. B.

Holyoke
Bagg, E. P., Jr.
Bandeian, A. M.
Ferguson, E. L.
Mahoney, S. A., Jr.

Hopkinton
Denton, J. E.

Hyannis
Garran, F. W., Jr.
O'Malley, A. F.

Ipswich
Petranek, J. R.
Wigglesworth, W. C.

Lawrence
D'Urso, J. J.
Feeney, F. J.
Ganem, E. J.

Leominster
Wheeler, C. A.

Lexington
Bellinger, M. J.
Cosgrove, W. L.
Petersen, J. A.

Longmeadow
Huston, L. L.

Lowell
Gehring, J. R.
Grant, G. J. M.
Lawlor, R. C.
Leahey, B. D.
Letsou, V. G.
Wiedman, M.

Lynn
O'Keefe, E. S.
Sarris, S. P.
Swartz, M.

Lynnfield
Newhall, H. F.

Malden
Bennett, D. R.
Bennett, W.
Brickman, G. S.
Garrey, W. E.
Thorp, E. G.

Marblehead
Hopkins, S. W.

Mattapan
Lazarus, H. R.

Medfield
Reggio, A. W.

Medford
Guthrie, A. D., Jr.
Heath, C. W.
Morrissey, A. M.

Melrose
Glines, G. A.
Hormell, R. S.
Osgood, H. A.
Watson, R. H.

Milton
Gamble, C. J.
Hepburn, J. P.
Hurst, A. L.
McGrath, E. F.
O'Keeffe, A. F.
Sullivan, E. R.
Toch, R.
Tudor, F.
Van Dyke, W.

Natick
Cavanaugh, J. J. A.

Needham
Brown, F. H.
Vanderpol, M.

New Bedford
Hoffman, H. A.
Lewis, E. O.
Maynard, G. B., Jr.
Tripp, C. C.

Newburyport
Bullard, C. W.
Hamilton, R. DeL.

Newton
Adler, M. H.
Hanelin, J.

Newton Centre
Bonner, F. J.
Chasen, M. C.
Derow, S.
Franklin, W.
Gill, B. F.
Kennard, H. E.
Moschella, S. L.
Offenbach, B.
Rutherford, R. W.

Newtonville
Garcelon, G. G.

Northampton
Averill, J. H.
Tatlock, H.

North Andover
Rogers, H.
Wallwork, D. W.

Norwell
Bailey, D. W.
Kearsley, R. B.

Norwood
Booth, N. A.
Fishman, N.
Sternstein, H. J.

Peabody
O'Rourke, H. J.

Pittsfield
Breslin, J. E.
Miller, J. P., Jr.
Reynolds, G. S.
Tracy, R. J.

Plymouth
Hamilton, H. H.

Pocasset
Sanborn, F.

Prides Crossing
Risley, E. H.

Quincy
Ciano, J. F.
McCarthy, P. L.

Rockport
Sanders, M. B.

Salem
Clark, D. S.
Flynn, J. G.
LeDonne, J. E.
Lowd, H. M., Jr.
Phippen, W. G.
Polansky, S. C.
Shannon, J. M.
Stebbins, H. D.
Thompson, R. H.

Somerville
Pollard, J. T., Jr.

South Duxbury
Shirley, J. N.

South Hamilton
Bacon, W. B.

South Sudbury
Adelson, W. J.

South Weymouth
Kilfoyle, R. M.

Springfield
Carson, P. C.
Chapin, L. D.
Derby, J. P.
Derrick, C. C.
Edgelow, A. F. G.
Franseen, E. F.
Hayes, D. R.
Hopkins, F. S.
Hoyt, W. F.
Ives, L. M.
Lewis, J.
Plotkin, L. H.
Ring, H. G.
Williams, D. W.
Zacarian, S. A.

Stockbridge
Kimberly, C. H.

Sudbury
Tristan, M. P.

Swampscott
Lurie, A. S.
Mayo, F. B.
Miller, C. C.

Topsfield
Thornton, C. E.

Truro
Hoeffel, G. N.

Waban
Lothrop, O. A.

Wakefield
Fiascone, A. D.

Walpole
Yatsuhashi, M.

Waltham
Davanloo, H.
Hardy, I. B.
Herm, R. J.
Holmes, J. A.
Lewis, J. L.

Wareham
Lincoln, J. R.

Waverley
For names formerly in Waverley, *see* Belmont

Wellesley
Flanagan, N. B.
Klein, D. C.
Kraus, P. S.
Pfeffer, W., Jr.
Temby, W. D.

Wellesley Hills
Angelini, H. D.
Freese, C. G., Jr.
Guralnick, W. C.
Lingeman, B. S.
Parker, J. S.
Pippitt, R. B.
Reidy, J. A.
Rosenberg, E. H.

Wenham
Rogers, D. M.

West Falmouth
Faxon, N. W.
West Newton
Sanchez, G. C.
Van Gorder, G. W.
Weston
Peebles, T. C.
Rogers, W. P., Jr.
Swan, C. S.
Taylor, G. W.
Van Nüys, F.
Westwood
Bunker, S. M.
Taylor, J. B.
Williamstown
Urmy, T. V.
Winchester
Annino, D. J.
Clark, R. J.
Haley, W. D.
Kaufmann, G. G.
Kermond, W. L.
Lewis, D. K.
McKenzie, W. L.
McLean, J. D.
Marks, G. A.
Woods Hole
Alton, B. H.
Worcester
Burrow, J. G.
Carmody, J. T. B.
Damiani, C. R.
Duggan, J. A.
Freymann, J. G.
Johnson, V. S.
Lingley, J. R.
Miller, E. C.
Oakley, J. C.
Peterson, H. O.
Reagan, D. J.
Sniffen, R. C.
Starobin, O. E.
Stone, B. B.
Wheeler, B. C.
Zmyslowski, W. P.

MICHIGAN
Ann Arbor
Bishop, R. C.
Coller, F. A.
Miller, J. G.
Smillie, J. W.
Sweet, R. B.
Vial, A. B.
Waldron, A. M.
Zuidema, G. D.
Birmingham
Esslinger, J. O.
Leach, C. A., Jr.
Dearborn
Bloomer, E.
Detroit
Blodgett, W. H.
Butler, A. M.
Comly, H. H.
Eyler, W. R.
Frame, B.
Morgan, W. L., Jr.
Osius, E. A.
Rosen, R. B.
Smith, W. P.
Sphire, R. D.
Stiefel, D. M.
Sweeny, D. N., Jr.
Zuelzer, W. W.
Zukowski, H. J.
Grand Rapids
Beeman, C. B.
Capps, S. C.
Faust, L. W.
Sugiyama, T.
Ionia
Tannheimer, J. F.
Iron Mountain
Alexander, W. H.
Jackson
Munro, N. D.
Lincoln Park
Russell, H. N., Jr.
Mackinac Island
Dole, K. L.
Pontiac
Cudney, E. B.

MINNESOTA
Duluth
Colpitts, G. E.
Minneapolis
Amick, A. F.
Goetz, F. C.
Johnson, N. P.
Kennedy, B. J.
Peterson, H. O.
Pohl, J. F.
Rodgers, R. S.
Wang, Y.
Rochester
Haines, S. F.
Helmholz, H. F., Jr.
Randall, R. V.
St. Paul
Schwyzer, M.

MISSISSIPPI
Jackson
Guyton, A. C.

MISSOURI
Clayton
Funsch, R. E.
Columbia
van Ravenswaay, T.
Kansas City
Dann, D. S.
Dennie, C. C.
Lilly, T. E., Jr.
Pickard, N. S.
Trowbridge, E. H., Jr.
St. Joseph
McDaniel, J. R.
Riddell, R. V.
St. Louis
Arnstein, A. R.
Chaplin, H., Jr.
Clark, S. L., Jr.
Dodd, R. B.
Doisy, E. A., Jr.
Drake, T. G.
Funsch, R. E.
Hanser, T. H.
Hershey, F. B.
Lytton, W. B.
Maughs, S. B.
Moore, S.
O'Brien, R. M.
Robins, E.
Stephens, W. A.
Strauss, A. E.
Trenton
Fuson, W. A.
Webster Groves
Gaunt, F. P.

NEBRASKA
Aurora
Steenburg, D. B.
Omaha
Bisgard, J. D.
Bresnahan, J. F.
Luikart, R. H.

NEVADA
Las Vegas
Woodbury, H. W.
Reno
Cantlon, E. L.
Cantlon, J. V.

NEW HAMPSHIRE
Concord
Mintz, E. R.
Dover
Wilson, R. F.
Exeter
Heyl, J. T.
Greenfield
Lezer, L. R.
Hancock
Eustis, R. S.
Hanover
Anthonisen, M. R.
Goodale, F., Jr.
Gundersen, S. M.
Heyl, H. L.
Hunter, R. W.
King, D. S.
McKenna, J. B.
Staples, O. S., Jr.
Sycamore, L. K.
Keene
Lacey, W. H.
Laconia
Baker, W. J.
Manchester
Bienvenu, L. J.
Colokathis, P.
Kalil, T. H.
McGahey, C. E.
Walker, J. K.
Orford
Hall, M. G.
Hammond, J. W., Jr.
Peterborough
Bowditch, H.
Millard, D. G.
Portsmouth
Lium, R.
Wilton
Locke, E. A.
Wolfeboro
Adams, R. H.
Gregory, H. E.

NEW JERSEY
Elizabeth
Gorman, R. V.
Weigel, E. W.
Englewood
Roberts, C. D.
Glen Ridge
D'Alessandro, G. L.
Jersey City
Rothberg, H. D., Jr.
Madison
Diehl, S. D.
Montclair
Greene, R. G.
Walton, R. W.
Morristown
Ward, A. J.
Newark
Greene, R. W.

Newman, H. A.
Schaaf, R. S.
New Brunswick
Kuhn, W. G., Jr.
North Long Branch
Gorrell, J. E.
Orange
Stearns, T.
Paterson
Sporer, E. S.
Van Eerde, A.
Princeton
Munro, J.
Summit
Willetts, A. T.
Trenton
Rosenthal, A. L.

NEW MEXICO

Albuquerque
Adler, S.
Mora, F.
Parnall, E.
Fort Bayard
Kinney, R. J.
Los Alamos
Grier, R. S.
Shipman, T. L.
Santa Fe
Lunt, L. K.

NEW YORK

Albany
Haase, F., Jr.
Holt, W. L., Jr.
Thomas, W. A.
Traver, C. A.
Yankauer, A.
Bath
Traver, R. F.
Bayside, Long Island
Wong, J. K.
Brooklyn
Friedman, C. F.
Warren, C. F.
Buffalo
Bridge, E. M.
Forbes, V.A.C.
Graham, J. B.
Holland, J. B.
Hummel, L. E.
Lambert, E. C.
Lowe, C. U.
Osgood, H.
Stewart, J. D.
Stiff, D. W. S.
Canandaigua
Berg, H. W.
Cleverdale
Tefft, R. C., Jr.
Cooperstown
Ketchum, W. F.
McIver, M. A.
Sahler, O. DeP.
Freeport, Long Island
Charash, L. I.
Glen Head, Long Island
Heggie, J. F.
Glens Falls
Batt, R. C.
Hartsdale
Rasmussen, J. S.
Katonah
Thompson, W. A.
Kenmore
Schenk, W. G., Jr.
Larchmont
Haralambie, J. Q.
Little Neck, Long Island
Wenig, M.
Manhasset, Long Island
Ayers, W. B.
Nicosia, A. P.
Mechanicville
Ryan, J. P.
Mount Morris
Judd, J. M.
Mount Vernon
Friedman, L. J.
New Rochelle
Houser, G. F.
New York City
Alper, J. M.
Anderson, H. C.
Barlow, J. J.
Barry, R. M.
Bowden, L.
Carroll, R. E.
Chamberlain, J. M.
Christenson, W. N.
Cohn, Z. A.
Collins, H. S.
Dickson, C. C.
Dole, V. P., Jr.
Edelman, G. M.
Finkenstaedt, J. T.
Fishman, R. A.
Foster, F. D.
Goldblatt, M. E.
Gomatos, P. J.
Greenhill, M. H.
Heffron, R.
Henley, T. F.
Hiebert, J. M.
Hobson, L. B.
Hofer, M. A., II
Kaufman, M. R.
Kneisel, J. J.
Lake, M.
Lambert, J. T.
Layzer, R. B.
Lipman, M. M.
Loeb, R. F.
Luck, D. J. L.
Mach, B. F.
Mack, J. E.
Maier, J.
Maisel, B. W.
Malcolm, J. A.
Metcalf, K. M.
Mixter, G., Jr.
Moore, B. E.
Mote, J. R.
Nellhaus, G.
O'Sullivan, R. B.
Patterson, R. H.
Patterson, R. L., Jr.
Peters, J. H.
Putnam, C. R. L.
Quan, S. H. Q.
Rappleye, W. C.
Rasmussen, H.
Roots, L. H.
Rosenbaum, M.
Russell, P. S.
Saunders, G. M.
Schneiderman, R. N.
Squire, L. F.
Surls, J. K.
Tenney, V. A.
Twombly, G. H.
Ulick, S. C.
Vesell, E. S.
Watson, J. W.
Watson, R. F.
Williams, R. C., Jr.
Wilson, P. D.
Wilson, P. D., Jr.
Wohl, H.
Yanagisawa, K.
North Tarrytown
Rowell, H. G.
Oneonta
Greenough, J.
Plattsburg
Barton, L. G., Jr.
Poughkeepsie
Bedell, W. C.
Keeley, J. K.
Rochester
Allison, C. R.
Anderson, E. G.
Berg, R. L.
Boller, C.
Clark, M. M.
Crawford, H. B.
Egel, N.
Guller, E. I.
Jones, T. B.
Morton, J. J.
Radebaugh, J. F., Jr.
States, J. D.
Stewart, J. M.
Saranac Lake
Welles, E. S.
Scarsdale
Bedell, R. F.
Hammond, W.
Syracuse
Dunn, E.
Gardner, L. I.
Gibson, L. E.
Hale, C. H.
Neptune, E. M.
Silverman, A. C.
Straehley, C. J., Jr.
Troy
Talin, J. J.
Tuckahoe
Seed, J. C.
Upton, Long Island
Cotzias, G. C.
Dahl, L. K.
Utica
Case, C. T.
Currie, R. A.
English, H. S.
Knapp, R. G., Jr.
Millet, J. B.
Watertown
George, H. L., Jr.

NORTH CAROLINA

Asheville
Morrison, R. W.
Biltmore
Freeman, W. T.
Chapel Hill
Barnett, T. B.
Burnett, C. H.
Chamberlin, H. R.
Craige, E.
Gottschalk, C. W.
Heusner, A. P.
Jessner, L.
Lansing, C.
Lassiter, W. E.
McClellan, W. S.

Miller, M. L.
Monroe, J. T., Jr.
Sandifer, M. G., Jr.
Taylor, I. M.
Young, D. A.

Charlotte
Brenizer, A. G., Jr.
Elliott, J. A., Jr.

Durham
Pearse, R. L.
Peete, W. P. J.
Persons, E. L.
Reeves, R. J.
Wyngaarden, J. B.

Fayetteville
Chamberlin, R. W., Jr.

Greensboro
Register, J. F.
Spencer, R. E.
Troxler, E. R.

Marshall
Ditmore, H. B., Jr.

Raleigh
Manly, I. V.
Rhodes, J. S.
Wooten, E. H.
Worth, T. C.
Young, D. A.

Southern Pines
McMillan, R. M.

Tryon
Jackson, H., Jr.

Wilmington
Graham, C. P.

Winston-Salem
Conrad, E.

OHIO

Akron
Kramer, J. G.
Lichty, J. S.
Voke, E. L.

Canton
Scott, M. W., Jr.

Cincinnati
Acheson, G. H.
Block, G. L.
Clifford, M. H.
Freiberg, J. A.
Gaffney, T. E.
Gall, E. A.
Newstedt, J. R.
Rubinstein, J. H.
Schneider, B.
Stenger, R. J.

Cleveland
Badal, D. W.
Bloomfield, D. K.
Clowes, G. H. A., Jr.
Evans, R. R.
Ford, A. B.
Glover, D. M.
Groves, L. K.
Hopkins, R. W.
Jefferies, W. McK.
Kendrick, J. I.
O'Brien, F. W., Jr.
Pearson, O. H.
Placak, J. C., Jr.
Rhinelander, F. W.
Ryan, K. J.
Shannon, E. W.
Simeone, F. A.
Steel, D.
Veazey, P. M.
Weir, D. R.

Columbus
Dawson, C. W.
Haynes, R. C.
Haynes, W. M.
Tetirick, J. E.
Wheeler, W. E.

Dayton
Flook, S. E.
Hochwalt, W. R.

East Liverpool
Kuhlman, E. G.

North Canton
Shipley, M. S.

Oberlin
Warner, J. H.

Youngstown
Coombs, F. S.
McElroy, W. D.

OKLAHOMA

Altus
Hiett, J. K.

Muskogee
Fite, E. H.

Oklahoma City
Bell, J. P.
Carey, J. M.
Eliel, L. P.
Richardson, W. R.
Stout, H. A.

Tulsa
Steele, B. W., Jr.

OREGON

Camp Sherman
Livingston, W. K.

Medford
Barss, T. P.
Rutter, T.

Portland
Baker, R. L.
Boyden, A. M.
Carter, R. R.
Hall, R. G.
Ray, L. F.
Rockey, E. W.
Saslow, G.
Spangler, P. E.
Thatcher, B. van H.
Whittemore, J. P.

PENNSYLVANIA

Ardmore
Bora, F. W., Jr.
Sampson, D. A.

Bangor
Cascario, N., Jr.

Bethlehem
Leister, C. M.

Easton
Horwitz, W. H.

Erie
Fortune, C. W.

Harrisburg
Berkheimer, G. A.

Hatboro
Warren, C. F.

Ivyland
Michie, C. R.

Latrobe
Moran, T. W., Jr.

Media
Kitts, A. W.

Norristown
Boger, W. P.

Philadelphia
Barrows, L. J.
Brannon, L. C.
Brent, R. L.
Dohan, F. C.
Fisher, M. S.
Goeringer, C. F.
Heath, R. D.
Ingalls, T. H.
Klaus, H.
Ludwig, G. D.
McCann, S. M.
Mancall, E. L.
Mendelsohn, M. L.
Michie, A. J.
Montgomery, H.
Nicholson, J. T.
Normann, N.
Richards, R. S.
Roth, J. L. d'A.
Schnabel, T. G., Jr.
Ship, I. I.
Starr, I.
Stokes, J., Jr.
Stunkard, A. J.
Wood, H. P.
Zacks, S. I.

Pittsburgh
Dwyer, J. H.
Fennell, R. H., Jr.
Ferguson, A. B., Jr.
Foldes, F. F.
Leighton, J.
McLaughlin, W. B.
Tyson, R. G.

Reading
Leinbach, T. C.
Morrissey, E. J.

Swarthmore
Ferguson, J. J., Jr.

RHODE ISLAND

Barrington
Peabody, C. W.

Edgewood
Aaronson, L. D.

Pawtucket
Hogan, J. F.

Providence
Cotter, W. C.
Cutts, F. B.
Dowling, J. L., Jr.
Fallon, J. T.
Hamlin, H.
Liffmann, K. E.
Littlefield, J. W.
Pitts, J. D.
Robinson, M.
Sargent, F. B.
Sawyer, C. S.
Sinclair, E. B.
Strom, J. O.
Troppoli, D. V.

SOUTH CAROLINA

Charleston
Boone, J. A.
Paul, J. R., Jr.
Talbert, O. R.

Columbia
Theus, W. W.

TENNESSEE

Chattanooga
Ballard, F. B.

Kingsport
Maloy, J. K.
Knoxville
Chernoff, A. I.
Higgins, R. B.
Stall, B. G., III
Memphis
Livermore, G. R., Jr.
Shaw, J. L.
Stern, N. S.
Nashville
Buchanan, R. N., Jr.
Cobb, C. A., Jr.
Lamson, P. D.
Lee, J. M.
Newman, E. V.
Smith, M. L.
Oak Ridge
Ruley, H. B.

TEXAS

Austin
Kreisle, J. E.
Winkler, J. J.
Beaumont
Hinshaw, A. J.
Corpus Christi
Powell, S. M., Jr.
Dallas
Binion, J. T.
Coggeshall, H. C.
Giles, R. B., Jr.
Hodges, T. W.
Jenkins, M. T.
Martin, C. L.
Martin, J. A.
Moore, S. H., Jr.
Rose, P. F.
Rosser, C.
Siperstein, M. D.
Spence, H. M.
Thompson, J. E.
Wheeler, J. T.
Williams, O. B., Jr.
Young, J. G.
Denison
Freeman, D. W.
Fort Worth
Flood, W. E.
Key, R. E.
Porter, P. J.
Rutledge, R. H.
Houston
Crawford, E. S.
David, S. D.
Eppright, R. H.
Keats, A. S.
Owen, W. R.
Smith, E. T.
McAllen
Evans, S. S.
San Antonio
Miller, R. B.
Thompson, M. S.

UTAH

Ogden
Keyes, G. H.
Perkins, A.
Salt Lake City
Christensen, W. R.
Clark, L. D.
Hatch, F. F.
Haut, A.
Hebertson, W. M.
Nelson, R. M.
Nielsen, T. W.
Young, C.

VERMONT

Bennington
Giddings, W. P.
Brattleboro
Sharpe, J. D.
Tompkins, J. B.
Burlington
Bell, J. F.
Donaghy, R. M. P.
Kuhlmann, R. F.
Marshall, C. K.
Mazuzan, J. E., Jr.
Smith, R. P.
Soule, A. B.
Montpelier
Buttles, R. V.
Peacham
Rogers, W. A.
Waterbury
Chittick, R. A.
White River Junction
Anthonisen, N. L.
Crandell, W. B.
Woodstock
Williams, C. A.

VIRGINIA

Arlington
Collins, R.
Detwiler, R. H.
Bristol
Gammon, W. M.
Charlottesville
Parson, W.
Swineford, O., Jr.
Wood, J. E., Jr.
Fairfax
Waring, E. S.
Fort Belvoir
Hunt, R. T. N.
Yens, O. C.
Irvington
Wescott, H. H.
Norfolk
Exley, M. M.
Richmond
Adams, R. A.
Blades, J. F.
Carmichael, M. W.
James, G. W., III
Jones, B. B.
Jordan, W. R.
MacDonald, R. F.
Mannick, J. A.
Pinckney, M. M.
Ragland, S., Jr.
Sutphin, A. K.
Thompson, W. T., Jr.
Tucker, J. T.
Ulmer, J. L.
Roanoke
Glendy, M. M.
Glendy, R. E.
Walke, J. T.

WASHINGTON

Bellevue
Milam, D. F., Jr.
Teel, C. E.
Bellingham
Watts, A. B.
Olympia
Jones, G. E.
Seattle
Bell, J. W.
Breslow, A.
Brown, N. K.
Coe, R. C.
Compton, D. W.
Crystal, D. K.
Garrigues, H. B.
Lawrence, G. H.
MacMahon, C. E.
Odland, G. F.
Rutherford, R. N.
Shurtleff, D. B.
Skinner, A. L., Jr.
Stewart, J. E.
Volwiler, W.
Spokane
Johnston, E. V.
Kleaveland, R. N.
Tacoma
Sanderson, S. S.
Walla Walla
Brooks, P. T.
Gilbert, A. C.
Yakima
Mathieu, T. J.
Patterson, H. E.

WEST VIRGINIA

Beckley
Wilcox, R. E.
Charleston
Anderson, R. L.
Hills, H. M., Jr.
Revercomb, P. H.
Stewart, W. C.
Clarksburg
Farrell, M. E.
Fairmont
Shaffer, F. G.
Wang, S. K.
Martinsburg
Cheer, S. N.
Field, H., Jr.
Morgantown
Shaffer, H. A.
Wheeling
Duffy, R. J.
Weiler, H. G.

WISCONSIN

LaCrosse
Gundersen, A. L.
Gundersen, S. B., Jr.
Gundersen, T. E.
Hayden, J. W.
Murphy, G. B., Jr.
Tompkins, D. G.
Madison
Albright, E. C.
Burns, E. M.
Gordon, E. S.
Greeley, H. P.
Hopkins, C. E.
Javid, M.
Kiely, B.
McClung, J. L.
Marshfield
Pederson, D. P.
Milwaukee
Barrow, D. W.
Berlow, S.
Conley, J. E.

Holbrook, A. A.
Kerrigan, G. A.
Schmidt, R. A.
Schneider, C. C.
Schwartz, A. B.

AUSTRALIA
Melbourne
Colquhoun, J. B.
Sydney
Trethowan, W. H.

BERMUDA, BRIT. W. I.
Pembroke
Walker, E.

BRASIL
Rio de Janeiro
Albuquerque, P. F.
São Paulo
Barretto, O. deF.

CANADA
Aylmer, Que.
McKay, W. W.
Calgary, Alb.
Walker, R. H.
Charlottetown, P.E.I.
MacMillan, H. A.
Edmonton, Alb.
Huckell, J. R.
Halifax, N. S.
Marshall, C. S.
Hamilton, Ont.
Detwiler, R. C.
Kingston, Ont.
Melvin, W. J. S.
Sloane, R. B.
Kitchener, Ont.
Tallon, J. B.
Lancaster, N. B.
Gregory, R. A.
Langley, Brit. Col.
Borden, R. P.
London, Ont.
Cameron, H. S.
Sober, S.
Londonderry, N. S.
MacKinnon, R.
Montreal, Que.
Greenwood, F. A. H.
Johnson, L. G.
Kahn, D. S.
Lipowski, Z. J.
McConnell, F.
MacDermot, P. N.
Ritchie, A. C.
Robillard, F. R.
Robillard, R. L.
Rovit, R. L.
Shannon, J. G.
Shugar, J. L.
Olds, Alb.
Burland, G. R.
Toronto, Ont.
Ball, R. E.
Gardiner, W. J.
Harris, W. R.
Holmes, R. B.
Lowrey, S. R.
Victoria, Brit. Col.
Duxbury, J. H.
Winnipeg, Man.
Adamson, G. L.

CANAL ZONE
Legge, R. F.

CHINA
Hong Kong
Wang, C. A.

COLOMBIA
Bogotá
Salamanca, J. J.

DENMARK
Copenhagen
Andersen, E. W.
Brandstrup, N. E.
Ibsen, B.
Probst, J.-H.

ENGLAND
Bristol
Saidi, F.
Carshalton
Gaitonde, M. K.
Mangoni, A.
Ilkley
Gore, C. P.
London
Austin, G. L.
Dunn, W. L.
Leigh, A. D.
McIlroy, W. J.
Tow, P. M.
Oxford
Waud, B. E.

FRANCE
Lyon
Michel, A. J. D.
Neuilly-sur-Seine
Kernan, R. D.

GERMANY
München
Harder, H. J.
Hüppe, J. R.

GREECE
Athens
Arzimanoglu, A. A.
Zaoussis, A. L.
Thessalonica
Papadopoulos, D. A.

GUATEMALA
Guatemala City
Fuchs, P.
Herrera, R. E.
Sosa, D.
Toriello, J.

HAITI
St. Marc
May, H. L.

HOLLAND
Amsterdam
Donner, R.

INDIA
Bombay
Rebello, D. J. A.
Lucknow, U. P.
Singh, M. M.
Ludhiana
Wysham, D. N.

ISRAEL
Petah Tiqva
Laron, Z.

JAPAN
Niigata City
Hashimoto, K.

LEBANON
Beirut
Lichtenwalner, C. S.
Wilson, J. L.

MARSHALL ISLANDS
Majuro
Macdonald, H. E., Jr.

NORTHERN IRELAND
Belfast
Gibson, J. G.

NORWAY
Oslo
Lund, I.
Stovner, J.

PHILIPPINES, Republic of
Manila
Canlas, B. D., Jr.
Rosales, R. K.
Quezon City
Bautista, F. A.

SAUDI ARABIA
Dhahran
Howard, F. H.

SOUTH AFRICA
Johannesburg
Braudo, J. L.
Gamsu, D.

SPAIN
Madrid
Cardenal, F. A.

SWITZERLAND
Basel
Hügin, W.
Geneva
Müller, A. F.
Zurich
Bally, P. R.

WALES
Cardiff
Thomas, A. G. T.

FORMS OF LEGACIES

A. *An Unrestricted Legacy*

"I give to The Massachusetts General Hospital, a corporation organized under the laws of Massachusetts and situated in Boston, Massachusetts, ...($)."

Money given in this way may be used by the Hospital for any purpose within the scope of its powers. Both principal and income may be so used.

B. *A Legacy Restricted as to Principal but Not Restricted as to Income*

"I give to The Massachusetts General Hospital, a corporation organized under the laws of Massachusetts and situated in Boston, Massachusetts, ...($). The principal of this gift shall be held and may be mingled with other funds of the Hospital for investment. The Hospital may expend the income for any purpose within the scope of its powers. (The following sentence is optional.) This gift is made in memory of ..... and shall be known as the ..... Fund."

Money given in this way establishes a permanent fund.

C. *A Legacy Intended for a Special Purpose*

Where either principal or income of a bequest is to be restricted to some special purpose of the Hospital, it is suggested that the testator contact the Treasurer's Office, 45 Milk Street, Boston.

DALTON SCHOLARSHIPS

Scholarships will be awarded to the candidates recommended by the General Executive Committee of the Massachusetts General Hospital and confirmed by the Trustees.

The holders of these Scholarships are required to do original work in subjects to be designated.

For particulars apply to the General Director.

MASSACHUSETTS GENERAL HOSPITAL
Fruit Street, Boston

See also page 116 of this Report

WARREN TRIENNIAL PRIZE

The Warren Triennial Prize was founded by the late Dr. J. Mason Warren in memory of his father, and his will provides that the accumulated interest of the fund shall be awarded every three years to the author of the best dissertation, considered worthy of a premium, in some subject in Physiology, Surgery, or Pathological Anatomy, the arbitrators being the General Executive Committee of the Massachusetts General Hospital.

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